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Sulphuric Acid Allocation Studied—Page 3

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The Chemical Market Authority Since 1871

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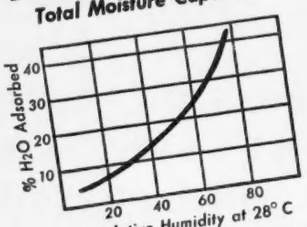

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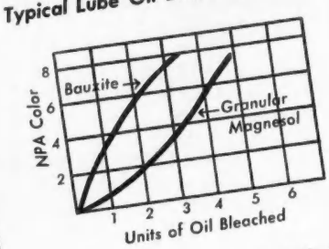

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Vitamin Foundation Formation Proposed

A general meeting of the entire vitamin industry will be called early in December by S. DeWitt Clough, president of Abbott Laboratories, Chicago, at which a plan calling for the formation of the Vitamin Foundation will be considered. The meeting place and definite date has not been definitely set as yet.

The plan, which has been approved by an organization committee, of which Charles L. Bowman, of Charles Bowman & Co., was chairman, proposes the incorporation of a non-profit organization with the following major purposes:—

(1) To initiate, assist and develop all forms of research in any way relating to the vitamins.

(2) To aid in the financial support of organizations, schools, colleges, and other groups who are investigating the subject of vitamins and nutrition both clinically and biochemically.

(3) To serve as an authoritative body to represent those interested in vitamins in their associations or negotiations with constituted scientific and medical groups, and governmental agencies, committees, or administrative departments.

(4) To acquire and use patents and trademarks for the benefit and the furtherance of purposes for which the organization is formed.

(5) To study, adopt and recommend proper standards and terminology for use in connection with the manufacture and use of vitamin products.

It is recommended that the member-

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Penicillin Standard To Be Announced Soon

OPD Washington Bureau

Returning members of the United States delegation to the London conference on penicillin last month said, November 9, that an announcement probably would be made soon on the results of the meeting where an international standard for the new drug was agreed upon.

Dr. Robert T. Herwick, chief of the drug division of the Food and Drug Administration, and Dr. Milton Veldee, senior surgeon of the National Institute of Health, returned to the United States late last week; while Dr. E. Fullerton Cook, of the U.S.P. Revision Committee, was expected back before the end of this week.

Announcement of the results of the conference is expected to await the return of Dr. Robert D. Coghill, of the Northern Regional Research Laboratory or the Department of Agriculture, who represented the Office of Scientific Research and Development at the meeting. There was no indication when he was expected.

The only information on the conference made public in the United States thus far was a brief statement transmitted from London by one of the wire services that a standard had been agreed upon.

Medical Care Discussed At N. Y. Trade Forum

Various angles of the increasingly popular subject of how to provide better medical care for more people in the United States were presented in a luncheon forum November 9 conducted by the Drug, Chemical and Allied Trades and the Insurance sections of the New York Board of Trade. E. T. T. Williams, chairman of the DCAT section, presided. Several hundred persons attended.

The need for a medical care plan and the problems attending its construction were ably presented by Eveline M. Burns, Ph.D., of Bryn Mawr College, formerly director of research for the National Resources Planning Board. It was her premise that, although the standards of health in this country are the highest in the world, they are not so high as they should and could be. Like the standard of living, she said, the health level of the

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To Direct Research

H. D. Goulden has been named director of scientific research and standards for the Toilet Goods Association.

Filled Milk Act Upheld by High Court

OPD Washington Bureau

Authority of Congress to prohibit interstate shipment of filled milk was unanimously sustained November 6 by the Supreme Court of the United States in a decision upholding the conviction of the Carolene Products Company for violation of the filled milk act. At the same time the court sustained the conviction of the Sage Stores Company for violation of the Kansas statute prohibiting the sale of filled milk within the State.

Three questions had been raised in the suit, the most important of which was the power of Congress to exclude from interstate commerce a product that was pure and wholesome. The court ruled that Congress had such authority if there was a rational basis for the legislation and the action was not by arbitrary fiat. The court accepted as adequate grounds for deny-

—Continued on page 56

Baldwin Testimonial Dinner Nov. 17

A testimonial dinner will be tendered Robert C. Baldwin at the Chemist Club, New York, November 17. Mr. Baldwin had long served as secretary of the club until his retirement from that office in 1944.

Sulphuric Acid Allocation May Have to be Extended

OPD Washington Bureau

Users of sulphuric acid are facing their most critical period within the next thirty or sixty days in obtaining adequate supplies of the material, and it is not entirely improbable that the acid may have to be placed under allocation nationally, temporarily, at least, to assure that requirements of essential industries are met.

Officials of the War Production Board said, November 9, that they have been forced to give serious consideration to the advisability of placing sulphuric acid under allocation because of increased military requirements for smokeless powder and TNT. As yet they have reached no decision and are hopeful that it will be unnecessary.

The problem is to come up for discussion at a meeting, scheduled for November 13, of the WPB Chemicals Bureau with the Inorganic Acids Industry Advisory Committee.

Allocated in West

Sulphuric acid is now under allocation only in the eleven Pacific coast and Rocky mountain States:—Washington, Oregon, California, Arizona, New Mexico, Nevada, Utah, Colorado, Wyoming, Idaho, and Montana. Officials are trying to avoid extending this program to the rest of the country through other measures now un-

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Ordnance Ass'n Opposes Research by Government

OPD Washington Bureau

Opposition to a movement that has been under way for several months for greatly expanding and consolidating the research activities of the army and the navy was voiced November 9 by the Army Ordnance Association. Two bills (H. R. 5174 and H. R. 5182) to establish offices of research and development in the War and Navy Departments are now pending before house committees.

It was the view of the association that expansion of Federal activities in this field was unnecessary and might in the long run prove detrimental to the best interests of national defense because it would detract from the incentive of private industry to continue such work. In a statement expressing its position, the association said:

We seriously question the need of desirability for the establishment of vast governmental enterprises for weapon research. There are plenty of such facilities already, and they should be reduced rather than expanded. "Big government" is not the answer to weapon research for the future. The answer is in the hands of private research and educational organizations cooperating with the time-honored experience and engineering direction of the Ordnance Department of the Army.

The association recalled a recent speech of Maj. Gen. Levin H. Campbell, jr., Chief of Ordnance of the

—Continued on page 40

Postwar Employment Discussion Nov. 18

Wayne Chatfield Taylor, Under Secretary of Commerce, will discuss "How the Government Can Help to Maintain Present Levels of Employment" at a conference for industrial executives on postwar planning of manufacturing to be held in the Hotel Pennsylvania, New York, November 18, by the Society for the Advancement of Management.

Surplus Property Disposal Made Uniform

OPD Washington Bureau

W. L. Clayton, Surplus War Property Administrator, has announced that he has concurred in a joint statement prepared by the principal government agencies that are concerned with surplus property disposal: that is, the War Department, Navy Department, Treasury Department, Maritime Commission, Reconstruction Finance Corporation, Foreign Economic Administration, and the War Food Administration. The joint statement represents a uniform decision by these agencies as to how surplus property operations are to be conducted pending appointment of the Surplus Property Board under the Surplus Property Act of 1944, and issuance by the Board of its regulations under that Act.

The Surplus Property Board will supersede the Surplus War Property Administration, created by Executive Order No. 9425, and will have general supervision and direction over surplus property. To avoid the interruption of surplus property operations during the interim period, Congress has recognized the necessity for

—Continued on page 56

Fertilizer Cheapening Plan Presented by Farmers Union

OPD Washington Bureau

Congress is being urged by the National Farmers Union to give consideration to a program for reduction of fertilizer costs to farmers. This proposes that Federal aid be extended to farmer cooperatives to enable them to set up their own mixing plants and also that the nine synthetic ammonia plants of the army ordnance be operated in the postwar period in such a manner as to be the "yardstick" on prices for the entire fertilizer industry.

The program is embodied in a letter sent to all members of Congress November 10 by James G. Patton, president of the union, suggesting that it be incorporated as an amendment to the pending "excellent" bill of Senator Lister Hill of Alabama (S.2055) providing for a national fertilizer policy program. Mr. Patton urged Farm State senators to insist on early hearings on the Hill bill.

Expressing the view that the war has given Congress the "greatest opportunity in history to assure American farmers of abundant, low-cost fertilizer," Mr. Patton argued that the cost of his program would be "relatively low, commensurate with the cash benefits to farmers and to the nation, and much of it can be a by-product of the war effort." The program he proposed in brief was:—

Potash

Production of potash from public lands owned by the whole people should not result in private profit. At a minimum, potash produced from public land in New Mexico and California should be made available to farmers at cost either through publicly conducted operations or through negotiation of leases with farmer cooperatives. Moreover, Geological Survey investigations which resulted in location of present potash reserves should be stepped up in Utah and other States to locate additional sources.

Nitrogen

The nine synthetic ammonia plants built by the government should be made into "yardstick" plants, on the TVA principle, for the production of fertilizer nitrogen. Some should be retained in

—Continued on page 40

Scientific Roster Advisory Group Named

OPD Washington Bureau

An advisory committee to the National Roster of Scientific and Specialized Personnel of the War Manpower Commission has been named by Paul V. McNutt, Chairman of WMC, to advise on the utilization of of technically trained men and women in the war effort. Mr. McNutt said this committee would be asked to contribute, also, to plans for a post-war program.

Members of the committee include William L. Batt, vice-president of the War Production Board, who is on leave as president of SKF Industries; Dr. Vannevar Bush, director of the Office of Scientific Research and Development and president of the Carnegie Institution of Washington; Dr. Edward C. Elliott, president of Purdue University; Dr. Frank B. Jewett, Short Hills, N. J., president of the National Academy of Sciences; Dr. Waldo G. Leland, Newton, Mass., director of the American Council of Learned Societies; Paul Webbink, of the Social Science Research Council; and Dr. Leonard Carmichael, president of Tufts College and until recently director of the National Roster.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Nov. 10, 1944	Nov. 3, 1944	Nov. 12, 1943
132.8	**136.4**	**137.7**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

There was some manifestation of strengthening price views in the markets for chemicals, oils and drugs last week, but it was snowed under by the substantialness of some of the moves made in the other direction. The greatest weight was swung among essential oils, especially in connection with the releasing of the supply of governmentally imported oil of bergamot.

The aggregate reductions were so influential that the general average for the several divisions of the market was depressed to its lowest point since the first week in October, 1941. The cut in aromatics leaves the textile and leather chemicals division, mainly by reason of egg products and imported natural dyestuffs, the only group standing at a price level higher than that of a year ago.

Business did not boom; not even in bergamot oil—there wasn't enough of it.

Paint Products Pricing Method Established

OPD Washington Bureau

An order designed to tighten control in pricing of some ready-mixed interior and exterior paint products made up of new or revised material content has been announced by the Office of Price Administration, effective November 10.

As a result of the shortage of linseed oil, the War Production Board has for some time required a reduction in the amount of that oil used in the manufacture of certain paint products. Although such a reduction has resulted in lower production costs, manufacturers have not been required by OPA to reduce their established prices, provided the quality and serviceability of their products were not affected by the revised formulas.

In applying for prices for new or further revised products, some manufacturers have used for comparison purposes unit direct (material plus labor) cost for products with contents previously modified, and for which the unit direct cost was consequently reduced. When applied to the product being priced in such cases, the resulting maximum price represents an unwarranted increase, OPA said, since it is based on an out-of-line mark-up.

The order makes clear that when these new or further revised paint products are being priced, the unit direct cost of the original formula will be used for comparison purposes—rather than this cost for a product with previously revised material content.

Bids Wanted

Chrome Green:—225,000 pounds, Purchasing Agent, Bureau of Engraving & Printing, Washington (25); schedule 2, opening December 20.

Chrome Yellow, Medium:—15,000 pounds, Purchasing Agent, Bureau of Engraving & Printing, Washington (25); invitation BEP-406, opening November 16.

Lithographic Varnish:—5,000 pounds, Purchasing Agent, Bureau of Engraving & Printing, Washington (25); invitation BEP-397, opening November 14.

Paint:—Office of the Bureau of Purchases and Supplies, Cleveland, Ohio; resolution No. 1004-44, opening November 10.

Petrolatum Alum:—2,220 pounds, Procurement Division, Veterans' Administration, Washington (25); invitation 206, opening November 17.

Petrolatum, Liquid:—8,004 gallons, Procurement Division, Veterans' Administration, Washington (25); invitation 206, opening November 17.

Sodium Metaphosphate:—For laundry use, as required during the period January 1 through June 30, Procurement Division, Veterans' Administration, Washington (25); invitation 60-S, opening November 22.

Soybean Salad Oil:—600,000 pounds, Contract Development Section, Procurement and Price Support Branch, Office of Distribution, War Food Administration, Washington (25); announcement Awd-278, opening November 13.

White Lead Pigment:—50,000 pounds in oil, Treasury Department, Procurement Division, Washington (25); invitation 58-27057, opening November 14.

Obituaries

Dr. Max Bergmann

Dr. Max Bergmann, a member of the Rockefeller Institute for Medical Research, said to have been one of the leading organic chemists in the world, died at Mount Sinai Hospital last week. He was fifty-eight years of age.

William J. Church

William J. Church, salesman in the New York and Eastern New Jersey territory for Church & Dwight, Inc., soda manufacturer, New York, died in his home in Montclair, N. J., November 6. He was seventy-four years of age. Mr. Church, who had been affiliated with the Church & Dwight firm for fifty-seven years, is survived by his wife.

Dr. Harry V. Harlan

Dr. Harry Vaughn Harlan, agronomist of the United States Department of Agriculture, died November 6, in Phoenix, Ariz. He was sixty-two years of age.

Born in London Mills, Ill., Dr. Harlan was graduated from the Kansas State College in 1904. He received a degree of Doctor of Science from the University of Minnesota in 1914. A member of the staff of the department since 1905, Dr. Harlan had been with the Bureau of Plant Industry, Soils and Agricultural Engineering since July, 1910.

Surviving are his wife and two sons.

Adolph C. Schwarz

Adolph C. Schwarz, associated with the chemical department of E. I. du Pont de Nemours & Co., New York, for forty-one years, died of a heart attack in Westfield, N. J., November 7 shortly after casting his voting ballot in the national election. He was sixty-one years of age.

Born in Allentown, Pa., Mr. Schwarz started his career in the chemical industry with the Roessler & Hasslacher Company which was subsequently merged with E. I. du Pont de Nemours & Co.

Surviving are his wife, a daughter and a son.

Alcohol Distillers Get January as Holiday

OPD Washington Bureau

Grain beverage distillers were granted a "holiday" during January from production of alcohol for war by Chairman J. A. Krug, of the War Production Board November 1. The distillers will return to industrial alcohol production in February.

Nothing was said by Mr. Krug, however, about releasing more alcohol to the drug, cosmetic, or other using industries. The January relief is possible, he stated, because of a reduction in the requirements for alcohol for synthetic rubber during this fourth quarter:—the synthetic rubber plants that produce butadiene from petroleum are now approaching their rated capacities. He added that, while large amounts of alcohol will be needed from the distillers in 1945, the industry's producing capacity has now reached such a point with relation to requirements that occasional releases of the beverage facilities can probably be made during the year without jeopardizing the war program.

Tanktruck Rates Restated by OPA

OPD Washington Bureau

Maximum rates for the transportation of liquid commodities, except milk, in tanktrucks by contract motor carriers have been embodied in a new regulation designed specifically to meet this industry's needs, the Office of Price Administration announced November 12. Ceiling prices will not be changed as a result of the action.

The new regulation, effective November 16, is in effect a simplified restatement of the regulations that heretofore covered this transportation service. Commodities whose transportation by tanktruck is covered are primarily petroleum products, such as gasoline and fuel oil, and also alcohol, molasses, and vinegar.

Chemical War Surplus Increased in September

Surplus supplies of articles falling in the chemical group of materials in the hands of the Reconstruction Finance Corporation at the end of September amounted to $3,247,000, an increase of $790,000 over the previous month, according to a report on activities of the Surplus War Property Administration transmitted to War Mobilization Director Byrnes November 8.

Surplus supplies of paints, varnishes, and lacquers amounted to $1,194,000, an increase over the previous month of $359,000. In addition the report showed the holdings to consist of $651,000 of industrial and related chemicals and $1,402,000 of other chemicals.

In another section of the report detailing sales of surplus property which had cost the government or was appraised at more than $100,000, the report showed that in September RFC had sold 737,325 pounds of thionyl chloride having a cost value of $135,000 to the Hooker Electro-Chemical Company for $23,000.

The General Aniline & Film Corporation purchased industrial land and buildings having a cost value of $239,000 for $175,000 from RFC in August.

Imports Control Transferred to WFO

The War Production Board has transferred to the War Food Administration administrative functions and regulations in connection with the importation of certain foods and commodities. The restrictions are now operating under War Food Administration Order No. 63.

Import control is returned on the following:—

Argols, tartar and wine lees, crude calcium tartrate, and tartaric acid; babassu nuts and kernels; babassu nut oil; beef and mutton tallow (inedible), includes oleostock; blood, dried, n.s.p.f.; bones, ground, ash, dust, meal, and flour; cacao butter (cocoa butter); cassia, cassia buds, and cassia vera, ground and unground; chicle, crude and refined or advanced; cinnamon and chips, ground and unground; coconut oil, copra; cottonseed oil, crude and refined.

Egg albumen, dried, frozen, or otherwise prepared or preserved; egg yolks, dried, frozen or otherwise prepared or preserved; fatty acids, not specially provided for derived from vegetable oils, animal or fish oils, animal fats and greases, not elsewhere specified:—Cottonseed oil, linseed oil, soybean oil, other, not elsewhere specified; fish scrap and fish meal; flaxseed (linseed); ginger root, ground, unground, not preserved or candied; guano; gums, n.e.s., used in manufacturing chewing gum; Lard (including rendered pork fat), lard compounds and lard made from animal or vegetable oils and fats; linseed oil and combinations and mixtures in chief value of such oil; mace and Bombay or wild mace, ground and unground; milk, whole, dried.

Neatsfoot oil and animal oils known as neatsfoot stock; nitrogenous material, n.s.p.f. (including hoof meal and horn meal); nutmegs, ground and unground; oilcake and oilcake meal:—coconut or copra, soybean, cottonseed, linseed, peanut, hempseed, other, n.s.p.f.

Oleo oil and oleostearin; ouricury (uricury) nuts and kernels, and oil, inedible and edible; palmkernel oil, palmnut kernels, palm oil; peanut (groundnut) oil, peanuts, shelled or not shelled; pepper, black or white, unground.

Sesame oil, edible and inedible, sesame seed; soap (except castile) and soap powder; sunflower oil, edible and denatured, sunflower seed; tankage (incl. cracklings, greave cakes, liver meal, meat meal, meat flour, meat scrap, etc.) and tung oil (chinawood oil).

Petroleum Price Ceilings Revised Thirteen Ways

Thirteen changes were made by the Office of Price Administration November 10 in the regulation setting ceiling prices for petroleum products at all levels of distribution except at retail establishments, seven of the changes are of general applicability to the industry, dealing mainly with definitions and procedure for determining ceilings.

The other six changes apply only to specific areas. They add new spelled-out ceiling prices or amend and clarify actions in connection with previous spellouts or formula pricing.

The changes are effective November 15.

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DuPont Pigments Sales Head Named

F. H. Weismuller has been appointed director of sales of the pigments department of E. I. duPont de Nemours & Co., Wilmington. Mr. Weismuller, who was production manager, succeeds John F. Daley, recently made general manager of the department. R. A. Kaiser, assistant production manager, will succeed Mr. Weismuller, and C. E. Rossee, manager of the Baltimore, Md., pigments plant, will be transferred to Wilmington to become assistant production manager.

C. E. Smith, in charge of silica gel operations at the Newark, N. J., plant, will succeed Mr. Rossee. All organization changes are effective immediately. Mr. Weismuller has been with the duPont company eighteen years. He was born in Brooklyn, N. Y., and was graduated from Cooper Institute in 1922 with a B.S. in chemical engineering.

American Agricultural Chemical

3 months, Sept. 30....	157,802	172,571
Per share.....	.25	.27

Commercial Solvents Corp.

3 months, Sept. 30....	802,127	768,805
Per share.....	.30	.29

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

The war production program can now be said to be suffering the pains of too many optimistic statements from high sources a few months ago of an early end of the European war and too much talk about reconverting industry to peacetime operations. Production in all the critical programs is lagging behind schedule because the manpower isn't there to produce in the volume required by the military.

While returning veterans from the battlefronts are being released from military service as fast as new men are being called in by the draft boards, the numbers going into the warplants are far short of the needs to bring production up to the desired level. They, like so many other workers who left the plants when Washington began talking so loudly about an end of the war and reconversion, are taking jobs in the civilian industries where the outlook for the future is brighter.

The War Manpower Commission has been unable to cope with the problem of getting labor in communities where a surplus exists to move over to those areas where workers are needed by war industries. This is particularly true in the case of women workers who naturally are reluctant to break up their homes for temporary employment in a community miles away.

At least one segment of the cigaret industry is blaming WMC for the present shortage of cigarets. The charge is made that WMC is denying cigaret manufacturers the right to hire more workers in one of the communities down South because it wants the available women workers to take jobs in a warplant 800 miles away. The women prefer to stay where they are.

Essential Oils from France

There may be an announcement soon of a delegation of government experts' leaving for France to look over the essential oils situation to find out what supplies are available and what arrangements can be made to ship some of them to the United States.

Much thought has been given to this matter in government circles since the liberation of those areas in France where the floral and other oils are produced, and it is said now to have passed the talking stage and about agreed upon. They don't want to announce it, however, until all arrangements have been made and delegation is on its way—but this may be expected momentarily.

China Ships Tung Oil

Some little concern continues to be felt in some government quarters over the future of the tung oil stockpile. In spite of the fact that the oil has been removed from allocation, the pile does not show signs of diminishing. They blame this on the refusal of users to pay the price which the holders are demanding. The price, they say, is way out of line with competing oil and users for that reason are preferring to continue to use the other oils.

Adding to the concern is the probability that Chinese tung oil may again be coming on the American market in the not too distant future. It is not generally known, but a small shipment arrived in the United States from China a short time ago. It amounted to only 14 tons, but the point is that China has found a way to get back in the American market, and it is conceivable that more might be coming.

Alcohol As Price Guide

It begins to look as though the Bureau of Labor Statistics may soon revise its index on prices of ethyl alcohol and the weight given this product in computing price levels for the chemicals, drugs and pharmaceutical industries. The bureau had a meeting with interested government departments and industry last month and it was generally conceded that the cost of alcohol is being weighted too heavily, with the result that it is boosting the price index way above what the industries think it should be.

While the price of alcohol itself hasn't changed greatly, the tax imposed has risen tremendously since the weight given to alcohol in the index for the industries was first agreed upon. When the revised index comes into being, the industries may find that the bureau's index has been dropped from its present level of 285 for drugs and pharmaceuticals down to around 146, and for chemicals and allied products from 142 down to around 128.

Price Checkers Wanted

OPA is launching a new campaign against rising food prices in the Winter months and is calling for 70,000 more price-panel assistants to help in putting over the cooperative grocer-consumer anti-inflation drive. These assistants voluntarily give part of their spare time to keep grocers informed on price regulation, but the 40,000 now doing this work is less than half enough for the job which OPA sees ahead.

OPA says that a majority of retailers are in favor of the cooperative campaign and welcome the checkups and the information which the assistants give the price boards.

Powder Measurer Devised

Miss America likes the powders for her skin very smooth. And so do entomologists when they turn to poison powders for pests. In many cases poison powders ground very fine are more effective as killers of crop pests and others than the same powders in larger particles.

This has meant finding ways to grind powder to the extreme fineness desired, and also a way to find out and grade just how fine the resulting product is. Manufacturers need to know the grade of an insecticide in order to guarantee results. This is difficult when the particle size of a powder gets so small that a particle can be seen only under a microscope.

The problem, however, has largely been solved by the insecticide chemists at the Department of Agriculture research center, Beltsville, Md. They have invented a machine that grades any powder and tells how fine it is in a few minutes without a microscope or any calculations by an operator. The machine will make it possible for dealers to assure buyers that the product is graded and up to standard.

QMC Inventory Plan

The Quartermaster General's Office of the Army has devised a new plan for keeping inventories of items furnished to contractors for use in fabricating articles for the QMC down to a minimum in QMC and ASF depots. Nub of the plan is centralization of policy determination in a new section of the ASF Procurement Division known as the Government Furnished Materials Section.

Since each depot's procurements are, for the most part, confined to one class of items, the individual procuring depots have handled the policy-making phase of procurement heretofore. The procurement depots will continue to handle the same items as in the past, but policies for all depots now will be formulated by the new section.

The system will enable the QMC to maintain a constant overall check on all procuring installations, and to keep inventories of government-furnished materials to a minimum. At the same time, the number of items furnished by the depots may be curtailed to include only those whose critical nature makes their procurement in the market by contractors difficult or impossible.

Mica Graphite Division Abolished by WPB

The War Production Board has announced that its mica graphite division will be abolished December 2 and the unit's functions taken over by the miscellaneous minerals division.

OCR Functions Outlined by Krug

OPD Washington Bureau

An order outlining the organization and functions of the Office of Civilian Requirements has been announced by the War Production Board. Only the position and duties of the Vice-Chairman for Civilian Requirements had been established heretofore. The new order gives formal recognition to the structure built by the vice-chairman and formalizes functions that he has been performing in addition to those established heretofore. Among them are the following, as described in the text:—

Participation "in the review of plans for cutbacks in military and other war programs" and recommendation of the "facilities most suitable to release in order to resume or expand the production of goods and services, for which he acts as claimant, which are of the greatest benefit to the civilian economy."

Specification of "the kinds, categories, and amounts of goods and services, for which he acts as claimant,

—*Continued on page 43*

WFA Division Formed For Reconversion Work

OPD Washington Bureau

The War Food Administration has established a new staff office to supervise and coordinate the functions of its various agencies in surplus property disposal, reconversion and contract settlement. David Meeker, who has been serving as chief of the Farm Machinery and Supplies Branch of the Office of Materials and Facilities, was named director of the new office to be known as the Office of Surplus Property and Reconversion.

The new office will assist the WFA in the formation of policy and procedures and will exercise general supervision over and coordinate the surplus property disposal functions of the Office of Materials and Facilities, the Agricultural Adjustment Administration, the Commodity Credit Corporation, and the Office of Distribution.

Mr. Meeker, formerly a field official of the AAA, came to the Department of Agriculture in 1939 as principal agricultural economist in the BAE. Later he was an assistant to the Secretary and then assistant director of the Office of Agricultural Defense Relations.

Harold Sheets Appointed To PAW Foreign Group

OPD Washington Bureau

Appointment of Harold F. Sheets, of New York, to the petroleum industry foreign operations committee has been announced by Deputy Petroleum Administrator Ralph K. Davies. Mr. Sheets fills the vacancy created by the death of John A. Brown, former president of the Socony-Vacuum Oil Company. Mr. Sheets had served as Mr. Brown's alternate member of the Foreign Operations Committee since its inception in December, 1941.

Recently Mr. Sheets was elected chairman of the board of directors of the Socony-Vacuum Oil Company. Previously, he had been vice-president and a member of the executive committee of that company. He has been associated with the Socony-Vacuum Company since it was formed. He joined the staff of the Vacuum Oil Company in Paris in 1907.

WPB Coatings Branch Loses Two Officials

OPD Washington Bureau

A farewell cocktail party, that served also as a celebration for Hallowe'en, was given by the Protective Coatings Branch of the War Production Board for its departing officials and employees November 1. The entire branch attended, together with other officials of the Chemicals Bureau, including Director D. P. Morgan, and three assistant directors, Lawrence Brown, William F. Twombley, and Walter G. Whiteman.

Retiring officials in whose honor the party was given were Ralph T. Urich, chief of the synthetic resin section, and George C. Smullen, chief of the paint, varnish, and lacquer unit, who returned to private industry the first of the month.

Italian Bergamot Oil Importers Price Set

OPD Washington Bureau

The supply of bergamot oil brought in recently from Italy by the United States Comercial Company is to be released to qualified importers at $5 a pound, ex-warehouse New York city, by the company. The oil, amounting to approximately 90,000 pounds and said to be of excellent quality, is to be made available as soon as contracts, which already have been sent out to the qualified distributors, are returned.

The Office of Price Administration said at the same time that it does not contemplate the establishment of ceilings on the resale of the oil, believing that this is unnecessary in view of the fact that the price at which it is being sold by the USCC is being made public and further by reason of the fact that the quantity being distributed amounts to about a year's domestic supply in pre-war times.

The OPA said that it had discussed the question of ceilings on resales with members of the trade and the USCC and came to the conclusion that they would be unnecessary. It added, however, that it would keep a watch on the situation to see that prices do not get out of bounds, but that it did not expect this to occur.

The oil is the first to reach this country since the start of the war. It was purchased by the Allied Control Commission in Italy at the suggestion of the Foreign Economic Administration and amounts to about 50 percent of Italy's total supply. The rest of the bergamot oil purchased by the Control Commission has been sent to Great Britain and Russia.

Paraguay's Resources Studied by IADC

OPD Washington Bureau

A mission of five industrial and economic specialists has been sent by the Inter-American Development Commission to Paraguay to cooperate with that country in making a survey and preparing plans for the possible development of its leather, vegetable oils, and lumber industries, according to the Office of Coordinator of Inter-American Affairs. The mission was requested by the Paraguayan Ministry of Industry and Commerce.

The mission is to study these industries to determine their present and future value to the economy of the country, prepare plans for their development, and make recommendations for increasing the quantity and improve the quality of the products.

Members of the mission are William H. Givens, industrial engineer of the technical office of the Inter-American Development Commission; Richard T. Turner, projects consultant of the commission; George W. Uderitz, lumber specialists; Thomas F. Ryan, hide and leather specialists, and J. F. Rogers, vegetable oils specialist.

Brazil Exporting To Be Eased by FEA

OPD Washington Bureau

Chemicals, nonferrous metals, and miscellaneous minerals, will be removed January 1 from the requirement that preference request recommendations be submitted with applications for licenses to export to Brazil.

In current export bulletin No. 204, announcing this revision, the Foreign Economic Administration points out that commodities no longer requiring preference request recommendations will "continue to be subject to quantity and other limitations of the War Production Board and other agencies," and that "the removal of certain commodities from the decentralization procedure in Brazil does not mean necessarily that they are in free supply, nor that they may be exported without an export license."

Shell Oil Appoints Railroad Sales Head

The Shell Oil Company, New York, has appointed Harry E. Hall, manager of the company's railroad sales department. Mr. Hall, who has been administrative assistant to P. E. Lakin, vice-president in charge of marketing, replaces J. S. Sawyer, who has been transferred as manager to the asphalt sales department.

What's NEW at NYQ

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Chicago Chemical Show Features Postwar Processes

Reflecting the importance of industrial chemistry in the war effort and revealing new processes, products and ideas that will enhance peacetime progress, the third biennial National Chemical Exposition and National Industrial Chemical Conference will open November 15 and continue through 19 at the Coliseum in Chicago. The show is sponsored by the Chicago Section of the American Chemical Society.

Commercial exhibits will occupy every foot of floor space available for that purpose in the huge Coliseum and its Annex. The conference will be held on the second floor of the Annex and may be entered from the Coliseum floor. It will be devoted to the field of applied chemistry.

An innovation which will mark the opening of the 1944 exposition and conference, will be a joint luncheon with members of the Chicago Association of Commerce and the Chicago Section of the American Chemical Society taking part at the Palmer House November 15. A discussion of "New Research Developments in Industry" will be given by Roy C. Newton, Swift & Co.; J. K. Roberts, Standard Oil Company (Ind.); and Ernest H. Volwiler, of Abbott Laboratories.

The first session of the conference at the Coliseum is set for Wednesday evening, Nov. 15 when three authorities will discuss metals. They are P. V. Faragher, of the Aluminum Company of America, who will talk on "Aluminum"; L. B. Grant, of the Dow Chemical Company, whose subject will be "Magnesium"; and John Mitchell, of the Carnegie-Illinois Steel Corporation, who will discuss "Steel and Its Alloys."

Thursday afternoon the session will be devoted to "The Chemist in the Production of Pharmaceuticals." R. C. Addinall, of Merck & Co., will discuss "Synthesis and Production of Vitamins"; John F. Norton, of the Upjohn Company, will talk on "Research in the Production of Penicillin and Other Antibodies"; and D. L. Tabern, of Abbott Laboratories will discuss "The Chemist Looks at Anesthesia." The evening will be devoted to a discussion of wartime contributions of "The Chemical Engineer in the Petroleum Industry" by G. Granger Brown, president of the American Institute of Chemical Engineers, and "The Chemical Engineer in the Synthetic Rubber Industry," by J. Collyer, president of B. F. Goodrich Company.

Specially escorted tours of the exposition will be made with groups of high school and college chemistry students and their teachers on Saturday morning. The review of the show will be preceded by a talk on "What is a Chemist and a Chemical Engineer?" by A. L. Elder, of the Corn Products Refining Co.

Abstracts, catalogues and other data of patents and patent applications vested by the Alien Property Custodian will be on exhibit and available for examination. Representatives of the custodian's office will be on hand for consultation and discussion of licensing procedure.

A review of the exhibits follows:—

Glycerin Producers' Association—Features new booklet, "Nothing Takes the Place of Glycerin," which lists nearly 1,600 specific uses. Prizes of war bonds will be offered for the best lists of glycerin uses not already covered in the new booklet. Figures marching across the background on moving platforms will dramatize a large variety of glycerin application.

General Ceramic Company — New designs of ceramic equipment fabricated both of chemical stoneware and poreclain featured.

National Techincal Laboratories—New infra-red spectrophotometer for qualitative and quanitative analysis of hydrocarbons.

Central Scientific Company—A complete line of photoelectric photometers including the Cenco-Sheard spectrophotelometer, two types of Cenco-Sheard-Sanford photelometers and the Beckman quartz prism spectrophtotometer.

Buffalo Foundry & Machine Company—Latest type laboratory size vacuum double drum dryer, used for drying heat sensitive liquids containing material in suspension of solids.

The Container Company — Fiber shipping drums, which feature ruggedness, light tare weight and freedom from contamination for safe shipment of expensive liquids in glass. New developments in interior linings and treatments, largely post-war, for "Leverpak" and "Fiberpak" drums.

Eutectic Welding Alloys Company—Demonstrations of Eutectic "low temperature" welding.

Automatic Transporter Company—Displaying the "Transporter," a front wheel drive motorized hand truck with hydraulic lift platform for skids or forks for pallets. Designed for economical and safe lifting and short hauling of loads at safe working speeds, either on skid platforms up to 6,000 pounds by means of the Platform Type "Transporter" or pallet unit loads up to 4,000 pounds by means of the fork-type pallet "Transporter."

Brown Instrument Company — An advanced showing of eletronic precision industrial instruments which have already given evidence of becoming important tools in chemical processing after the war. A feature at the exhibit will be an electronic potentiometer recorder that can operate upside down, on a drop hammer or even a pile driver, under extreme vibrations and still maintain a sensitivity of six parts in 10,000.

Waukesha Foundry Company—Features the Waukesha ball bearing all purpose sanitary pump of stainless steel construction; that is, all parts of the pump head which contact the product being pumped, will be of stainless steel construction.

National Carbon Company—Demonstrating the new "Karbate" pump in operation showing method of connecting pump to "Karbate" pipe line with the various types of joints such as the new Van Stone connections and "Karbate" globe valves, expansion joints, elbows, etc.

Lukens Steel Company — Kodachrome motion pictures entitled "Head Work," "The Manufacture of Lukens Clad Steels" and the "World's Largest Plate Mill," depicting products of the company, including Lukens Nickel-Clad, Inconel-Clad and Monel-Clad steels.

Simplicity Engineering Company—Exhibits a totally enclosed 2-ft. by 3-ft. double deck screen built of stainless steel, so as to handle corrosive materials.

Pfaudler Company — Displays new series of glass lined valves, a new standardized line of stainless steel process vessels and a new line of alloy steel heat exchangers of which the company has built many.

Lapp Insulator Company.—Complete line of porcelain equipment to be shown including a 1-inch porcelain pipe line under pressure, having joint faces polished optically flat and assembled without gaskets; a new porcelain raschig ring support plate offering twice the free space available in standard drilled and slotted diaphragms; porcelain valve specialties, safety valves, flush bottom valves, quick opening and armored valves, and newly announced porcelain plug cocks.

Proportioneers, Inc.—Showing new Adjust-O-Feeder constant rate proportioning pump with plastic cylinder and working sectional models of a flow responsive Treet-O-Unit and Treet-O-Control meter.

Permutit Company.—Demonstrating not only visually, but also by taste and smell, the operation of its ion exchange demineralizing process in water conditioning.

Selas Corporation of America.—Operating display models showing unusual principles of operation and construction details of the "Liqui-jector." Operating pilot plant will illustrate techniques of aqueous phase extraction from hydrocarbon streams—continuously and with full phase effectiveness. Gasoline-water closed-system model in glass will clarify new concepts and principles.

Valvoline Oil Company.—Tectyl's spectacular usefulness to the Navy and to industry since it helped in salvaging the submarine Squalus dramatized.

—*Continued on page 40*

Industrial Applications of Chemicals and Related Materials

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(Parenthetic figures are the numbers of patents in the United States or other countries; as designated)

Amylpyridinium Hypochlorite, Normal

Chemical—Claimed (U.S. 2256958 and 2256959) as stable source of substantial amount of available chlorine.

Betachlorobeta'-(tertiary-octylphenoxyethoxy)diethyl Ether

Adhesives — Wetting agent (U.S. 2229024) in various adhesive preparations.

Chemical — Wetting agent (U.S. 2229024) in making emulsions of various chemicals, textile lubricants.

Cosmetic — Wetting agent (U.S. 2229024) in creams, hand lotions, and the like.

Disinfectant — Wetting agent (U.S. 2229024) in disinfecting and germicidal compositions.

Dry Cleaning—Wetting agent (U.S. 2229024) in dry-cleaning liquids.

Dye—Wetting agent (U.S. 2229024).

Fats, Oils, and Waxes—Wetting agent (U.S. 2229024) in boring, cutting, drilling, and wire-drawing oils, greasing and lubricating compositions, sulphonated oils, wax preparations.

Firefighting — Wetting agent (U.S. 2229024) in liquids for extinguishing brush fires.

Ink—Wetting agent (U.S. 2229024) in lithographic, printing, and writing inks.

Insecticide and Fungicide—Wetting agent (U.S. 2229024) in insecticidal and fungicidal compositions, horticultural sprays.

Leather — Wetting agent (U.S. 2229024) in dressing, fat-liquoring, finishing, soaking, softening, tanning, and waterproofing compositions.

Metallurgical—Wetting agent (U.S. 2229024) in metalplating and solvent degreasing processes, metal-cleaning baths, scouring agents for metals.

Miscellaneous—Modifier of surface tension of liquids in various products and processes.

Softening agent for fibers.

Wetting agent (U.S. 2229024) in beer-glass coasters, cleaning and polishing compositions, embalming fluids, ink removers, soldering fluxes, wallpaper removers, waterproofing compositions, water sprays for settling dust, and in various processes involving aqueous solutions, such as soaking, washing, impregnating, penetrating, wetting.

Paint, Varnish, and Lacquer—Wetting agent (U.S. 2229024) in lacquers, paints, and varnishes, and pigment manufacture.

Paper—Wetting agent (U.S. 2229024) in beater operations, dye liquors, felt conditioning, felt-cleaning agents, sizing, waterproofing, and waxing compositions.

Petroleum — Wetting agent (U.S. 2229024) in acid treatment of oil wells, cutting oils, oil, pitch, and tar compositions.

Pharmaceutical—Suggested as wetting agent in oral antiseptics.

Photographic—Wetting agent (U.S. 2229024) in blueprint and photographic processes.

Rubber — Wetting agent (U.S. 2229024) in cements.

Soap—Wetting agent (U.S. 2229024) in detergent compositions, textile soaps.

Textile—Softening agent for fibers. Wetting agent (U.S. 2229024) in bleaching, bowking, carbonizing, degumming or boiling-off, dye, fulling, kier-boiling, mercerizing, and soaking baths, coating, degreasing, oiling, scouring, sizing, spinning, washing, waterproofing, and waxing compositions, printing pastes.

Cyclohexylthiol

Textile—Shrinkproofing agent (U.S. 2238672) for wool and wool-acid-sensitive cellulose mixtures.

2:4:6-Dibutylethylphenol

Petroleum—Antioxidant (U. S. 2257869, 2257870, 2257871, and 2257872) for insulating oils (used in conjunction with small amounts of normal tetrahydrofurfurylpara-aminophenol or trithiopneyl phosphate

9-Ethoxy-4:14-dimethylcoeroxane

Chemical — Fluorescence imparter (U.S. 2250270) for organic solvents.

Fats, Oils, and Waxes—Fluorescence imparter (U.S. 2250270) for waxes.

Lubricant — Fluorescence imparter (U.S. 2250270) for oils.

Ferric-Dimethyl Dithiocarbamate

Insecticide and Fungicide—As a fungicide.

Hexamethylenediammonium Formate

Textile—Starting point (Brit. 544310) in making fiber-forming linear polyamides.

Methyldinitrophenol

Insecticide and Fungicide—Toxic agent (U.S. 2210945) in dusting compositions.

6-Nitro-1:4'-nitro-2'-sulphophenyltetrahydroquinolin

Dye—Starting point (U.S. 2251922) in making orange dyes for cellulose acetate by condensing with chloronitrobenzene and chloronitronaphthalene compounds.

Octadecenyl Borophosphate

Chemical — Starting point (Brit. 409598) in making wetting, cleansing, emulsifying, and bleaching agents by combining with hydrogen peroxide.

Para-alphaphenylisopropylphenol

Disinfectant—Claimed (U.S. 2247402, 2247403, and 2247404) as germicide.

Insecticide and Fungicide—Claimed (U.S. 2247402, 2247403, and 2247404) as fungicide and insecticide.

Miscellaneous—(Claimed (U.S. 2247402, 2247403, and 2247404) as antioxidant.

Sodium-5-N-betasulphatoethyl-N-butylaminoquinolin

Dye—Starting point (U.S. 2234723 and 2234724) in making orange or yellow dyestuffs, for cellulose derivatives, silk, wool, or cotton, by coupling with diazotized arylamines.

Thianthrene

Chemical—Reactant in organic syntheses.

Rubber—Softener (U.S. 2251394) for rubber masses.

Trinaphthylpyridinium Thiophosphite

Lubricant — Starting point (Brit. 457548) in making high-pressure and die-making lubricants, boring, drilling, cutting, and wire-drawing oils for solutions, dispersion, or emulsification in carriers, such as mineral, vegetable, or animal oils, paraffin, water, graphite, grease, or porous bearing metal.

Zinc 8-Oxyquinolinsulphonate

Disinfectant—Claimed (U.S. 2228051) as water-soluble disinfectant.

Data similar to those above on Uses and Applications of **7089** *Chemicals and Related Industrial Materials: two books, 1192 pages* **$19**
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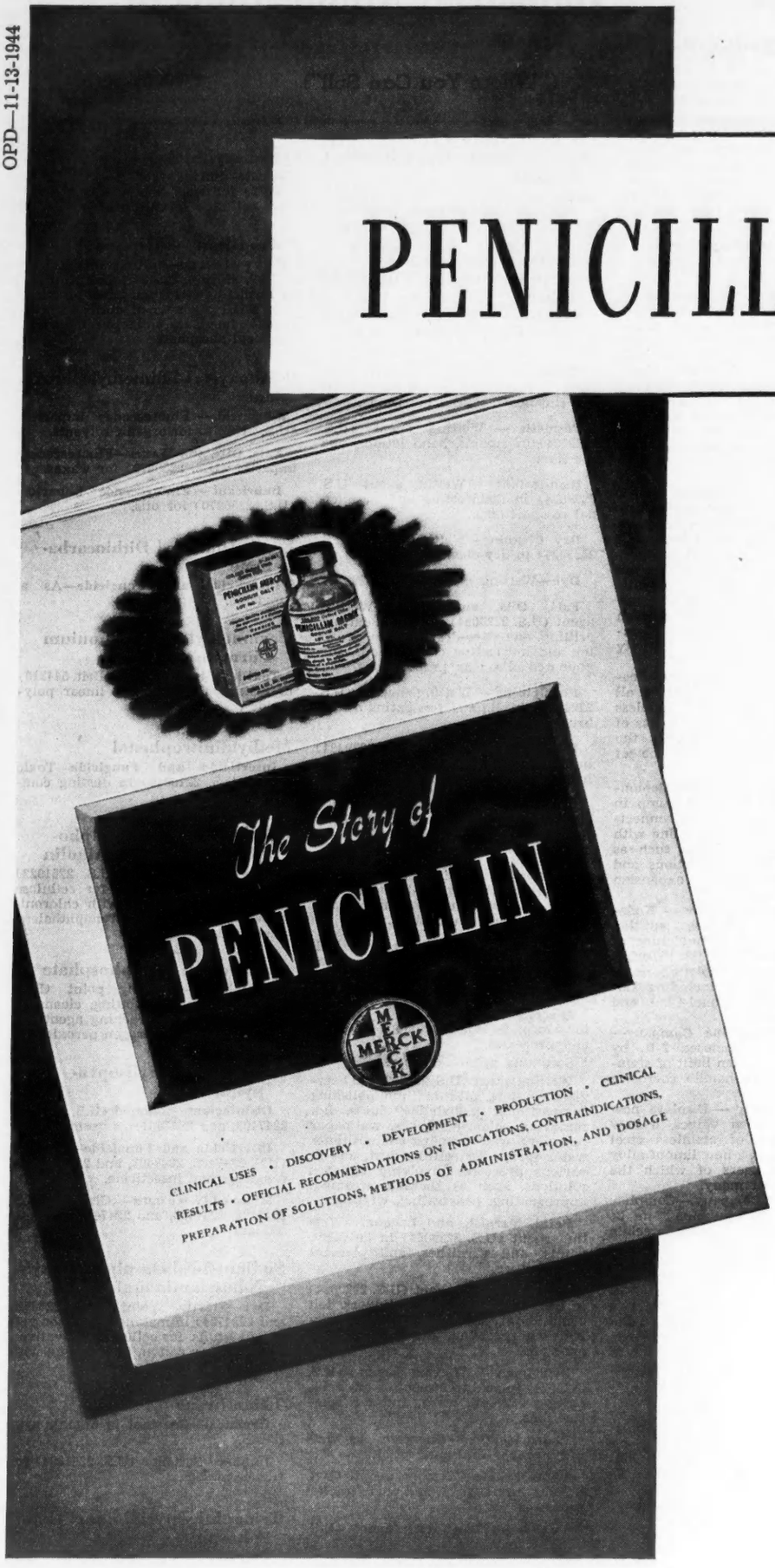
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Current Market Quotations Chemicals and Related Materials

November 10, 1944

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).
Acetaldehyde,[4,6] 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .38 - —
smaller lots, works.....lb. .38 - .70
tech., fib., dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50
Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs.....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs.....lb. .35 - .37
Acetic anhydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Acetoacetanilide, bbls., dms....lb. .49 - .67
Acetone, CP,[1,6] dms., c.l., dlvd. E.*..lb. .08 - —
l.c.l., dlvd. E.*.....lb. .08½- —
tanks, dlvd. E.*.....lb. .07 - —

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* OPA ceiling for East; Western ceiling, ½c. per lb. higher.

Methyl (see M).
Acetonitrile, dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .75 - —
5-gal. lots, works.....lb. .80 - —
less than 5-gal. lots, works.....lb. .90 - —
Acetophenetidin, bbls., kgs., 1,000-lb. lots..1.00 - —
dms.....lb. 1.08 - 1.10
Acetophenone, cns., dms.....lb. 1.55 - 1.60
Acetyl chloride, cbys., works..lb. .60 - —
Acid, abietic, dms., c.l., wks...lb. .07½- —
Acetic,[1,6] com'l or redist., 28% bbls..100 lbs. 3.38 - 3.63
56%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., cp., dms., works..100 lbs. 12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks.....100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - 7.25
USP, dms., works..100 lbs. 10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic, anhydride,[6] (see Acetic anhydride).
Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots, same basis..lb. .46 - .59
Standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
smaller lots, same basis. lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic,[6] fib. dms., works.....lb. .31 - —
Aminoacetic, USP (see Glycine).
Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous,[6] tech. (see Arsenic, White).
USP, powd., dms., kgs.....lb. .20 - .22
Ascorbic,[1,6] USP, dms., 500-kilo lots..kilo. 24.50 - —
50-kilo lots.....kilo. 25.00 - —
10-kilo lots.....kilo. 25.35 - —
5-kilo lots.....kilo. 25.70 - —
bots. kilo.....kilo. 26.41 - —
500 gram.....kilo. 27.47 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
10-25, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up....lb. .54 - —
1,000 to 3,900 lbs. up...lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Betaoxynaphthoic, bbls. works. lb. .95 - —
Boric,[2] tech., 99.5% cryst., (same as prices for powder), gran., bgs., c.l., frt. alld.. ton. 99.00 - —
ton lots, ex whse..ton. 111.00 - —
less than ton lots, ex whse..ton. 116.00 - —
bbls., c.l., frt. alld..ton. 109.00 - —
ton lots, ex whse..ton. 121.00 - —
less than ton lots, ex whse..ton. 126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld., ton. 104.00 - —
ton lots, ex whse..ton. 116.00 - —
less than ton lots, ex whse..ton. 121.00 - —
bbls., c.l., frt. alld...ton. 114.00 - —
ton lots, ex whse..ton. 126.00 - —
less than ton lots, ex whse..ton. 131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works. lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Broenerz, bbls.....lb. 1.11 - —
Cacodylic, 5-lb. bots.....lb. 22.00 - —
Acid, camphoric, cns.....lb. 6.95 - 7.00
Capric, tech., ret. dms.....lb. .21½- .22
Caprylic, tech., ret. dms....lb. .27 - .27½
Castor oil,[6] split, ret. dms...lb. .20¾- .21¼
Chlorosulphonic, dms., c.l., wks., lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic,[6] 99½-99¾%, dms., c.l., lb. .16¼- —
l.c.l. .....lb. .16¾- .18¼
Cinnamic, refd, bots.....lb. 3.50 Nom.
Citric,[1,6] anhyd., gran., dms., c.l...lb. .22½- —
10,000 lbs., 1 ship't...lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs.....lb. .24 - —
cryst., gran., bbls., c.l....lb. .20 - —
10,000 lbs., 1 ship't...lb. .20½- —
smaller lots, bbls.....lb. .21 - —
dms.....lb. .23 - .24
kgs.....lb. .21½- —
Powd. citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1,6] dist., dms....lb. .15½- .17½
Corn oil, s.d., dms., c.l., works, lb. .12 - —
Cottonseed oil,[1,6] s.d., dms., c.l...lb. 12 - —
tanks, dlvd.....lb. .14¼- —
Cresylic,[3,6] (coaltar), high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis...gal. .83 - —
tanks.....gal. .75 - —
(Petroleum), heavy grade (247°-298°), 20 dms., Cal. ref..gal. .490 - —
Sewaren, N. J., ref..gal. .616 - —
1-19 dms., Cal., ref....gal. .510 - —
Sewaren, N. J., reg..gal. .636 - —
tanks, dlvd....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), 20 dms., Cal. ref..gal. .550 - —
Sewaren, N. J., ref.gal. .636 - —
1-19 dms., Cal. ref....gal. .570 - —
Sewaren, N. J., ref. gal. .696 - —
tanks, dlvd.....gal. .646 - —
Diethylbarbituric (see Barbital).
F (see Acid, Monosulphonic).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l. .....lb. .11 - .11½
Fumaric, tech., bbls., dms...lb. .27 - .31
Gallic, NF VII, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Glycolic, bbls., 500 lbs.....lb. .12 - —
dmjn.....lb. .21 - .23
kgs., 100 lbs.....lb. .14 - .15
Glutamic hydrochloride, dms., lb. 2.00 - 2.40

Glycolic (see Hydroxyacetic).

H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57% bots.....lb. 2.90 - —
Hydrobromic, conc., cbys....lb. .35 - .37
dil., cbys.....lb. .20 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, anhyd.,[6] cyls., works..lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return., Phila..lb. .084 - —
tanks, works, basic acid content..lb. .08½- —
Hypophosphorous, USP, djns., lb. .75 - .77
Lactic,[6] edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more..lb. .24¼- —
1 to 4.....lb. .24¾- —
plastic grade, bbls., cbys., 20 or more..lb. .14¼- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XI, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Lauric, dist., 95% dms.....lb. .28 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil,[3] light, dms.....lb. .21½- .22
Maleic,[6] powd., dms.....lb. .30 - —
anhydride (See M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric, unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., 85%, bbls..lb. .17 - —
purified, bbls.....lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24 works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
Acid, muriatic, 20°, cbys., c.l., E. works..100 lbs. 1.75 - —
tanks, E. works.....ton. 22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton. 32.00 - —
CP, USP, consumers, cbys..lb. .08 - —
6-lb. bots.....lb. .19 - —
dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
Myristic, dist., dms.....lb. No stocks
Naphthenic,[6] 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms. extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic,[6] dms., 50-kilo lots up, kilo. 7.00 - —
10-kilo lots.....kilo. 7.10 - —
2½-kilo lots.....kilo. 7.20 - —
1-kilo lots.....kilo. 7.30 - —
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25, E. works.100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys..lb. .13 - —
7-lb. bots.....lb. .23 - —
dealers, cbys.....lb. .11½- —
7-lb. bots.....lb. .21½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[6] white, dist., dms..lb. No stocks
tanks.....lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., f.o.b. works..lb. .80 - —
Peanut oil,[1] s.d., tanks, dlvd., lb. .11¼- —
Phenylacetic, bots.....lb. 1.85 - 3.00
Phosphoric,[6] pure food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald, 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagon, dlvd. N. Y., Phila., Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald, 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11¼- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10% dilut., cbys., djns....lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, 55-gal., dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - —
cns.....lb. 1.68 - —
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., dlvd. E..gal. .30 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l....lb .26 - —
100 lbs. to c.l.....lb .33 - —
smaller lots.....lb .34 - .42
USP, bbls., c.l.....lb .28 - —
100 lbs. to c.l.....lb .35 - —
smaller lots.....lb .36 - .44
Sebacic, tech., dms., works..lb. .55 - .57
Soybean oil,[1,6] s.d., dms.....lb. .14½- .18½
tanks, works.....lb. .11 - —
Stearic,[1,6] double-press, bgs..lb. .15¾- .16¾
single press, bgs.....lb. .15¾- .16¾
triple press, bgs.....lb. .18¾- .19¾
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 up, works..100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton. 13.00 - —
66°, cbys., c.l., E. works..... 100 lbs. 1.50 - —
tanks, E. works.....ton. 16.50 - —
98°, tanks, works.....ton. 17.50 - —
CP, USP, consumers, cbys.lb. .68 - —
9-lb. bots.....lb. .17 - —
dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
fuming, 20%, tanks, E. works. ton. 19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .73
USP, fluffy, bbls., 1,000 lbs.lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs.....lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs.....lb. .71½- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. pkgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.40 - 1.45
Root, bls.....lb. 1.10 - 1.15
Acetic hydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Aconitine, amorph., bots.....oz. 23.00 -28.00
15-gr. vials.....vial 1.00 - —
cryst., bots.....oz. 42.00 -48.00
15-gr. vials.....vial 1.00 - —
Acrylonitrile,[6] dms., frt. alld..lb. .39½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works...lb. .40½- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —
Adeps lanae,[1,6] USP, anhyd., pharmaceutical, dms., l.c.l., works..lb. .30 - —
cosmetic, dms., l.c.l., works, lb. .31 - —

Adeps ranae prices for primary distributors, f.o.b. St. Louis, lc. higher.

Agar.....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1] powd., bbls.....lb. 2.01 - 2.15
granular, cryst., bbls.....lb. 1.96 - 2.08
tech., cryst., bbls.....lb. 1.50 - 1.60
Alcohol, allyl, dms., c.l., dlvd..lb. .29 - —
l.c.l., dlvd.....lb. .30 - —
Amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. E. of Miss R..lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
Benzyl, cns.....lb. .65 - .75
dms.....lb. .63 - —
Butyl, normal,[1,6] ferment, Ill., Ind., prod., dms., frt. alld. lb. .1980- —
l.c.l., frt. alld. E....lb. .2030- —
tanks, frt. alld. E....lb. .1880- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .113¾- —
l.c.l., frt. alld. E....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

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* Normal butyl alcohol prices West, ¼c. per lb. higher.

secondary,[6] dms., c.l., frt. paid E. of Miss..lb. .091 - —
l.c.l., same basis.....lb. .096 - —
tanks, same basis.....lb. .085 - —
tertiary, denat., dms., c.l..lb. .125 - —
l.c.l., dms.....lb. .13 - —
tanks.....lb. .11 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.80 - —
smaller lots.....lb. 1.90 - 2.00
Cinnamic, bots.....lb. 3.00 - —
Denatured,[1,6,8] CD14, dms., c.l., dlvd. E..gal. .54½- —
19, dms., works, E.....gal. .56½- —
1 to 18 dms., works, E..gal. .59½- —
tanks, E., dlvd.....gal. .50 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .62 - —
19, bbls., E. works..gal. .64 - —
1 to 18 bbls., E. works. gal. .67 - —
tanks, E. works.....gal. .50 - —

Anhydrous 3c. per gal. higher.

SD2B, bbls., c.l., wks., E.gal. .60 - —
19 bbls., works, E...gal. .62 - —
1 to 18 bbls., works, E. gal. .65 - —
tanks, E. works.....gal. .48 - —
SD23G (replaced by SD25B).
SD23H, works, c.l., bbls..gal. .61½- —
19 bbls.....gal. .63½- —
1 to 18 bbls.....gal. .66½- —
tanks, E. works.....gal. .49½- —
SD29, denatured, with acetaldehyde, bbls., c.l., E. works. gal. .62½- —
l.c.l., 19 or more, E. works..gal. .66 - —
1 to 18, E. works..gal. .69 - —
tanks, E. works.....gal. .50½- —

When any of the several SD29 denaturants is supplied by the puchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works..gal. .55½- —
19 dms. to c.l.....gal. .57½- —
1 to 18 dms.....gal. .60½- —
tanks, E. works.....gal. .51 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone,[6] acetone-free, dms., c.l., dlvd..lb. .11½- .14½
l.c.l., dlvd.....lb. .11¾- .15
tanks, dlvd.....lb. .10¾- .12½
tech., dms., c.l., dlvd.....lb. .11 - .13½
l.c.l., dlvd.....lb. .11¾- .14
tanks, dlvd.....lb. .10 - .12¼
Ethyl,[6] 190 pf., dms., c.l...gal. 17.64½- —
19 dms.....gal. 17.68 - —
1 to 18 dms.....gal. 17.71 - —
tanks.....gal. 17.60 - —
absolute, dms., c.l.....gal. 18.62 - —
18 dms.....gal. 18.65½- —
1 to 17 dms.....gal. 18.68½- —
Ethylhexyl, dms., c.l., wks..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol isobutyl).
Isobutyl,[6] refd., dms., works..lb. .0860- —
tanks, works.....lb. .0760- —
Isopropyl,[3,6] refd., 91%, dms., 5 gals., dlvd..gal. .66½- —
55 gals., c.l., dlvd....gal. .35 - —
l.c.l., dlvd.....gal. .43½- —
tanks, frt. alld.....gal. .34 - —
99%, dms., 5 gals., dlvd.gal. .65 - —
55 gals., c.l., dlvd....gal. .44 - —
l.c.l., dlvd.....gal. .47 - —
tanks, frt. alld.....gal. .37½- —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .63
Propyl, normal, dms., wks..gal. .67 - .76

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling
[2]—Price agreement (sellers with OPA)
[3]—General Limitation Order (L order)
[4]—General Preference Order (M order)
[5]—Conservation Order (M order)
[6]—Allocation

Alcohol, tetrahydrofurfuryl, dms., c.l., Waverly, N. Y..lb. .40 - —
smaller lots, same basis..lb. .44 - —
cns., Cedar Rapids, Ia.....lb. .55 - —
Aldol, dms., works.....lb. .13 - .15
denat., grd., dms.....gal. 1.30 - —
Aletris root, bgs.....lb. 2.50 Nom.
Algin, bbls., fib. dms.....lb. .76 - 1.60
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .18 - .18½
Aloe, Cape, cs.....lb. .29 - .30
Curacao, kgs.....lb. .65 - .80
Socotrine, kgs.....lb. .55 - .60
Aloin, bbls., dms., kgs.....lb. 5.45 - 5.54
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .28½
Alphapinene, dms., c.l., wks.gal. .84½- —
l.c.l., works.....gal. .87 - —
tanks, works.....gal. .81½- —
Alphaterpineol, dms., c.l., works, lb. .1340- —
l.c.l. .....lb. .1390- —
tanks .....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, bls.....lb. .60 - .65
Alum, ammonia,[2] burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works...100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., wks.100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works...100 lbs. 4.65 - —
dlvd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c. dlvd.....100 lbs. 4.25 - 5.00

Alumina, ground, classified, grade, kgs., works..lb. .35 - .67
top grade, ground, kgs., works, lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .46
Acetate, basic solut., 24%, bbls., dlvd..lb. .10½- .11
solut., 20%, bbls., dlvd...lb. .09½- .10
Chloride, anhyd.,[2] com'l, bbls., c.l., works..lb. .08 - .08¼
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solut., 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, tech., bbls.....lb. .25 - —
Hydrate,[3] heavy, bgs., c.l., works..lb. .024 - .031
bbls., c.l., works.....lb. .027 - .034
l.c.l., works.....lb. .04 - —
light, bgs., dlvd.....lb. .14½- —
bbls., dlvd.....lb. .15 - —
Hydroxide, gel, tech., min. 15% AlO_3, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .03 - .03¼
ton lots, same basis...lb. .03 - .03¼
smaller lots, same basis, lb. .03¾- .04
USP purity, conc., 9-9½% Al_2O_3, fib. dms., works, lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., works..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .78 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
bbls.. dms.....lb. .15 - .17
Laurate, prec., bbls.....lb. .25 - .26
Naphthenate, 1.7%, Al, 50-gal. dms., works..lb. .18¾- —

Alumina oleate, dms., contract, lb. .24½- —
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., bbls., c.l...lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equald.. 100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
Iron-free, bgs., c.l., works... 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
trihydrate, heavy bgs., wks., lb. .024 - .035
Aluminum, 98-99% [3,5,6], c.l....lb. .15 - —
l.c.l. .....lb. .15 - .16
paste, lining, extra fine, 200-dm..lb. .56 - .60
ink, 150-lb. dm.....lb. .71 - —
standard, 200-lb. dm.....lb. .38 - —
powder, lining, extra fine, 150-lb. dm..lb. .93 - —
litho, 150-lb. dm.....lb. .57 - —
standard, 200-lb. dm.....lb. .59 - —
rubber comp., 200-lb. dm...lb. .40 - —
unpolished, stand., 250-lb. dm. lb. .36 - —
varnish, stand., 300-lb. dm.lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c per lb for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz.13.50 - 14.00
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia,[6] anhydrous, fertilizer, tankcars, works, frt. equald. ton.59.00 - —
refrigeration, tanks, wks..ton.69.00 - —
pure, cyls.....lb. .14½- —
Aqua, 26°, cbys.....lb. .06¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs. up, frt. alld...lb. .43 - —
smaller lots, frt. alld...lb. .44 - .47
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .17
Borate, gran., bbls, kgs.....lb. .1080- —
powd., bbls., kgs.....lb. .1150- —
Bromide, NF, bbls.....lb. .31 - .35
dms.....lb. .32 - .36
Carbonate, lump, dms.....lb. .08¼- .09¼
cns.....lb. .14¼- .17¼
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
Fluoride, bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms...lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[5] c.p., cryst., kgs.lb. 1.26 - 1.38
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1,6] ferlitizer grade, Canadian, 32.5 nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate.
domestic, bgs., c.l., shipping points..ton.50.00 - —
bulk, same basis.....ton.46.00 - —
tech, bgs., works.....100 lbs. 4.35 - 5.50
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, purif., gran., bbls., kgs..lb. .27 - .33
Perchlorate, kgs.....lb. .55 - .65
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .37 - .39
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08½
monobasic, pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¾- —
l.c.l. .....lb. .08 - .08½
Salicylate, NF, dms., kgs....lb. 1.15 - 1.18
Silicofluoride,[6] bbls.....lb. .15 - .16
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .18½- —
Sulphamate, bbls., works....lb. .18 - .24
Sulphate,[1,6] dms., bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports..ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .06 - —
dms., works.....lb. .06 - —
yellow, 35%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycolate, 100%, bbls....lb. 7.10 - —
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works... 100 lbs. 5.50 - 5.75
l.c.l., same basis..100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis..100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- .18½
l.c.l., dlvd.....lb. .13 - .19
tanks, dlvd.....lb. .11½- .17½
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .75 - .90
Caproate, dms.....lb. 2.75 - —
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .08 - —
Ether, dms., c.l., works.....lb. .09½- —
l.c.l., works.....lb. .105 - —
tanks, works.....lb. .09½- —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Oleate, dms., works.....lb. .31 - —
Salicylate, bots.....lb. .80 - 1.25
Stearate, dms., works.....lb. .42 - —
Amylene, dms., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Amylnaphthalene, mixed, crude, dms., works..lb. .14 - —
refd., dms., works.....lb. .16 - —
Anethol, com'l, dms., works...lb. .657 - .662
NF, bots.....lb. 2.10 - 2.35
cans .....lb. 1.90 - 2.25
Angelica atropurpurea root, dms. lbs..lb. .80 - 1.35
Angostura bark, bls.....lb. .20 - .21
Anilin[6] oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld.....lb. .10¼- —
Salt, dms., works.....lb. .22 - .24
Anise,[1] Cyprus, bgs.....lb. .23½- .29
Bulgarian, bgs.....lb. .29 - .29½
Mexican, recleaned, bgs....lb. .18 - .18½
Syrian, bgs.....lb. .20½- .21
Turkish, bgs.....lb. No stocks
Anisic aldehyde, bots.....lb. 2.90 - 3.00
Annatto,[6] paste, bxs.....lb. .34 - .39
Seed, bgs.....lb. .08¼- —
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,4] bulk, c.l., works...lb. .14½- .17½
Needle,[1] Bolivian, brown, 67%, cs..lb. .18¼- —
Chinese, black, 70%, cs....lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l..lb. .15 - —
l.c.l. .....lb. .15½- —
paint grade, c.l.....lb. .16¾- —
l.c.l. .....lb. .16¾- —
Salt,[1] 65%, bbls., dlvd. E. of Miss. River..lb. .40 - —
Sulphide,[1] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....(b. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Apple Syrup,[1] bbls.....lb. .14 - .16
Archil extract, bbls.....No stocks
Areca nuts, powd., bbls.....lb. .23 - .24
Arecoline hydrobromide, bots..oz. 6.50 -11.75
Argols, min. 70%, bgs., Argentine port, 100 kilos, 100% purity.70.00 -72.00
Arnica flowers, bls.....lb. 2.35 - 2.45
Arrowroot, powd., bgs., bbls..lb. .10 - .10½
Arsenic,[6] metal, lump, c.l....lb. No prices
Chloride (arsenous), bots...lb. 1.55 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —

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Arsenic sulphide, yellow, bbls..lb. .52 - .55
bots. .....lb. .60 - .64
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs.....lb. .45 - .68
powd., bbls., dms.....lb. .55 - .82
Asbestine (see Talk, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canad. mines.
.....ton.49.50 - —
5R, bgs., same basis.....ton.44.00 - —
6D, bgs., same basis.....ton.33.00 - —
7D, bgs., same basis.....ton.28.50 - —
7F, bgs., same basis.....ton.26.50 - —
7H, bgs., same basis.....ton.22.50 - —
7K, bgs., same basis.....ton.19.00 - —
7M, bgs., same basis.....ton.16.50 - —
7R, bgs., same basis.....ton.15.50 - —
Asphaltum, Manjak No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., wks.lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight Colo. mines..ton.30.50 - —
Barbados, Dunellen, N. J...lb. .10¼- —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuban A, bulk, c.l., N. Y...ton.60.00 - —
l.c.l., same basis.....ton.90.00 - —
B, bulk, c.l., N. Y.....ton.38.50 - —
l.c.l., same basis.....ton.55.00 - —
Egyptian, substitutes, bgs., l.c.l., refinery N. J. or Ill..lb. .08 - —
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton.32.90 - —
290-295° F. fusing point bgs., mines..ton.30.50 - —
270° F. fusing point, bgs., mines..ton.30.50 - —

Asphaltum, Gilsonite, brilliant black, seconds, 870-890° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
800-830° F. fusing point, not uniform, bgs., mines, ton.25.50 - —
jet, bgs., ton lots, gross wght., Colo. mines..ton.30.50 - —
Mexican, ref'd., dms., c.l., Texas refy..ton.21.00 - —
l.c.l., same basis.....ton.21.00 -23.00
tanks, same basis.....ton.16.00 - —
Atropine, bots.....oz. 7.85 - —
Sulphate, bots.....oz. 6.50 - 6.75

B

Balm of Gilead buds, bgs.....lb. 1.05 - 1.15
Barbasco root,[3,6] (see Cube root).
Barberry, root bark, bgs.....lb. No stocks
Barbital, dms.....lb. 3.50 - 3.60
sodium, dms.....lb. 3.75 - —
Barium[6] carbonate, natural, 90% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate,[6] kgs.....lb. .36 - —
Chloride, CP, cryst., bbls.....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works. ton78.00 - —
l.c.l., same basis.....ton.78.00 - —
bbls., c.l., same basis..ton.75.00 - —
l.c.l., same basis....ton.80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Barium fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works....lb. .09½- .11
l.c.l., works.....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide)
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs .....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis.ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
Ore, approx. 94% Ba SO_4, bulk, mines..ton. 8.50 - —
Bauxite,[6] blk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. .90 - .95
Root, bls.....lb. 1.50 - 1.55
Bentonite, 200 mesh, bgs., works. ton.11.00 - —
325 mesh, bgs., works.....ton.16.00 - —
Benzaldehyde,[6] NF, dms.....lb. .85 - 1.25
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .76 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol,[6] (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tankcars, E. of Omaha, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .26 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .59 Nom.
dms. .....lb. .55 Nom.
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms.lb. 1.00 - 1.10
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.15 - 5.50
Formate, cns.....lb. 3.00 - 3.50
Isoeugenol, bots.....lb. 9.50 - —
Propionate, bots.....lb. 2.35 - 2.50
Salicylate, bots.....lb. 1.90 - 2.15
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .28 - .30
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....works..lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., wks..lb. 1.60 - —
l.c.l., same basis.....lb. 1.85 - —
95%, same basis.....lb. 2.05 - —
98-99%, same basis.....lb. 2.20 - —
Beth root, bls.....lb. .45 - .46
Bismuth[6] chloride, bots.....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.86
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.46
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms. lb. 1.50 - 1.53
bots., cns.....lb. 1.59 - 1.63
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, NF, bots., cns...lb. 1.49 - 1.53
fib. dms.....lb. 1.40 - 1.43
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.28
bots. .....lb. 1.29 - 1.33
Subsalicylate, USP, 62 - 66%, bbls., fib. dms..lb. 2.50 - —
bots., cns.....lb. 2.51 - 2.59
Sulphocarbolate, bots.....lb. 3.71 - 3.76
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns. .....lb. 3.45 - 3.50
Bisphenol-A, bgs., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
Black, acetylene,[3] bgs., c.l., works..lb. .14 - —
l.c.l., same basis.....lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld E..lb. .17 - —
2, bgs., bbls., c.l., same basis. lb. .12 - —
3, bgs., bbls., c.l., same basis. lb. .11 - —
4, bgs., bbls., c.l., same basis. lb. .08¼- —
400A, bgs., bbls., c.l., same basis..lb. .08¼- —
457, bgs., bbls., c.l., same basis..lb. .11¼- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon,[3] heads, compressed, bgs., c.l., works..lb. .03550- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .07½- —
regular, uncompressed, bgs., c.l., works..lb. .03625- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .08 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, 1, ctns., works.....lb. .08½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14¼- —
l.c.l., works.....lb. .15¼- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04¼- .04
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes listed under Dyes.
Black haw root bark, bls.....lb. .95 - 1.00
Tree bark, bls.....lb. .40 - .45
Black Indian hemp root, bls..lb. .50 - .55
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.50 - —
direct process, bgs., c.l., works. ton.70.00 - —
l.c.l., works.....ton.75.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66⅔%, bbls., c.l., works. ton.40.00 - —
l.c.l., same basis.....ton.46.50 - —
Bleaching powder,[2,6] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 2.75 - 3.60
Blood,[1] dried, 16-16½% ammon., bgs..unit-ton. 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago.. unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago...lb. .13½- —
smaller lots, Chicago...lb. .15 - .20
Bloodroot, bls.....lb. .70 - .80
Blue,[3] alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.75 - —
toner, bbls., same basis..lb. .85 - .90
Celestial, bbls., same basis..lb. .10 - .12
Cobalt,[3] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis....lb. 3.00 - —
green shade, bbls., same basis..lb. 4.50 - 4.70

TEST THIS NEW AND IMPROVED PRODUCT

DOW PROPYLENE GLYCOL, N.F.

IT'S READY TO SERVE YOU WELL

Recently perfected by Dow research, the new Propylene Glycol possesses excellent characteristics of odor and taste. Its purity makes it exceptionally well suited to use in many products taken orally—and to a variety of other formulations requiring high standards. To insure the same high state of product purity on arrival as when it leaves the manufacturer, Dow has developed a new, distinctive container—resin-lined to eliminate contact with metal. Propylene Glycol is a clear, colorless, viscous liquid with a faintly sweet odor and taste. It is miscible with a wide range of solvents: water, chloroform, acetone, alcohol, and many other organic liquids; and it acts as a mutual solvent for oil-soluble and water-soluble materials. The new Dow Propylene Glycol is ready to serve, and serve well, the manufacturer who can reap the benefits afforded by its unique properties as a combination preservative, flavor extender, plasticizer, and hygroscopic, softening and moistening agent.

TO THE PHARMACEUTICAL MANUFACTURER

Dow Propylene Glycol, N.F., offers many advantages as a solvent and carrier for preparations designed for either internal or topical application—such as vitamin concentrates, elixirs, salves, ointments, and creams.

THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

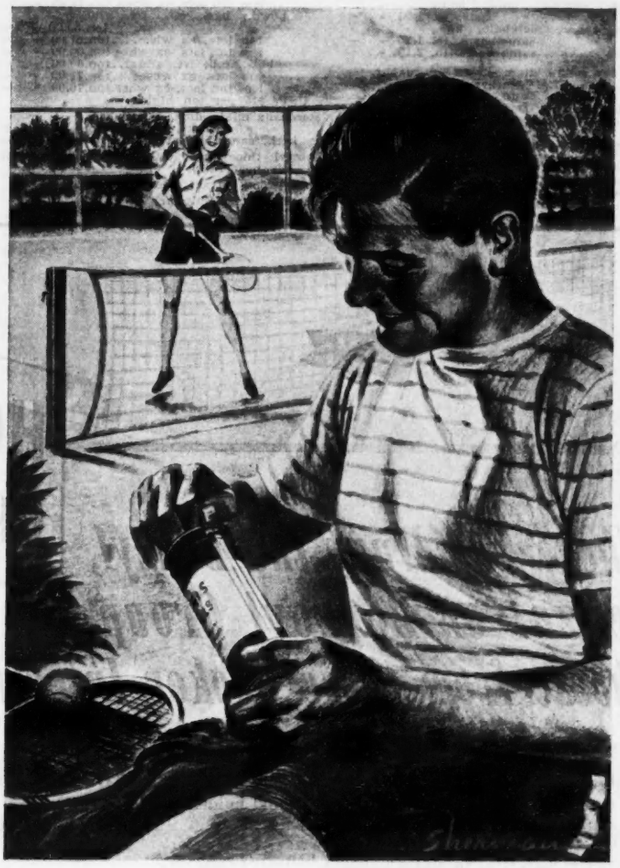
New York • Boston • Philadelphia • Washington • Cleveland • Detroit • Chicago
St. Louis • Houston • San Francisco • Los Angeles • Seattle

Interesting, Factual Data

Data that may well suggest profitable applications for Dow Propylene Glycol in your business are contained in a special Dow booklet. Physical data, charts and other technical information are also included in this booklet. Dow will be glad to send you a copy.

DOW
CHEMICALS INDISPENSABLE TO INDUSTRY AND VICTORY

RECONVERSION: no problem here



Out of the container in the first picture, the doc is taking a blood plasma transfusion kit.

Out of the container in the other picture, a kid is about to remove some tennis balls.

And, while a lot of territory separates lifesaving blood plasma and a pleasant afternoon batting a ball about, the two situations have one thing in common—the containers pictured.

They are similar.

Either can be made on the same can-manufacturing lines.

This setup is typical of many war items now being made by American Can Company. They will continue to be made until reconversion comes.

But when it does come, changing over from war to peacetime manufacture presents virtually no retooling problem to us . . . just a twist of our mechanical wrist. For you also this is good news.

It means that you should be able to get delivery from us on your peacetime packages in record time.

If you will consult us now and lay your post-war plans, you'll be ready to roll when Peace gives everyone the green light.

AMERICAN CAN COMPANY

230 PARK AVENUE

NEW YORK 17, N. Y.

Blue, iron, Chinese, bbls., same basis..lb. .36 - —
Milori, bbls., same basis...lb. .36 - —
Prussian, bbls., same basis, lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Molybdated, Victoria, same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent, toner, green shade, molybdic..lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis, lb. .42 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, dry or pulp, cobalt grades, bbls., same basis..lb. .28 - .27
job grades, bbls., same basis, lb. .18 - .18
reg. grades, bbls., same basis, lb. .17 - .27
Victoria, toner,[1] molybdic, bbls., lb. 3.15 -
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.83 - —
syn. vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, kgs., same basis..lb. 1.25 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. No stocks
Blue mass, NF, cns., tubs....lb. 1.29 - 1.46
powd., bots., cns., dms.....lb. 1.32 - 1.46
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, bulk, Chicago....ton.57.50 -65.00
junk, bulk, same basis....ton.35.00 - —
meal, 4½% ammon., 50% phos., bgs., E. works..ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works, ton.38.50 - —
Chicago, works.....ton.36.00 - —
Precipitated (see Calcium phosphate tribasic, precip.).
Phosphate, defluorinated (see D).
Boneset leaves, bls.....lb. .16 - .17
Borage flowers, bls.....lb. .45 - .60
Borax,[2] tech., 99½%, gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.58.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld. ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld....ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobronyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkgs., same basis..lb. .30 - .35
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.30 - 5.00
Bronze powder, aluminum (see A).
gold, litho., cns., dms., works, lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .85 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .13 - .15
Brown,[3] iron-oxide, pure, precip., cks., works..lb. .12 - —
metallic, bbls., c.l., works.lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works.lb. .03¾- .10¾
raw, American, bbls., works, lb. .04 - .10
Italian type, bbls., works.lb. .08 - .10
Umber, American, bbls., works, lb. .03¾- —
Italian type, bbls., works.lb. .04¾- —
Turkey type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
ex car, Los Angeles..lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
Brown, umber, Turkey-type, bbls., l.c.l., ex whse, Los Angeles..lb. .05⅞- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., same basis..lb. .12 - —
Brucine, 100-oz. cns.....oz. .35 - —
Sulphate, 100-oz. cns.....oz. .30 - —
Bryonia root, bls.....lb. .65 - .75
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .72 - .73
Berries, bgs.....lb. .70 - .75
Burdock root, bls.....lb .30 - .32
Burgundy pitch, dms.....lb. .06 - —
Butane,[1] indust., tanks, Group 3, gal. .03½- —
Butyl acetate, normal,[1,6] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .1895- —
l.c.l., frt. same basis, lb. .1945- —
tanks, same basis.....lb. .1795- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis....lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11¾- —
l.c.l., same basis....lb. .12¾- —
tanks, same basis.....lb. .10¾- —
secondary,[1,6] dms., c.l., divd. E. of Miss R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l., dms., works..lb. .09 - —
Chloride, normal, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., works....lb. .35 - —
tech., dms., works.....lb. .29 - —
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl Phthalate).
Proprionate, dms., divd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .31 - .31½
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide,[6] bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide,[6] bots.....lb. 4.23 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,6] pat. shapes, cs., divd. lb. .95 - —
Ingots or sticks.....lb. .90 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine[1,6] dms., makers primary distrib., 100 lbs. or more..lb. 2.80 - 2.88
25 to 100 lbs.....lb. 2.95 - 3.10
smaller lots.....lb. 3.15 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.08
25 to 100 lbs.....lb. 3.15 - 3.30
smaller lots.....lb. 3.35 - 3.45
Citrated, dms., makers primary distrib., 100 lbs. or more..lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .35 - .40
Calamus root, dom., bls.....lb. .40 - .45
Calcium acetate, bgs., divd..... 100 lbs. 3.00 - 4.00
Arsenate,[6] bgs., c.l., whse., works, frt. alld.lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08½
Bromide, jars.....lb. .65 - .70
Carbide,[1,6] dms., c.l., works. ton.50.00 - —
divd. .....ton.87.00 -95.00
Carbonate (see Chalk and Whiting).
Chloride, flake, 77-80%, paper bgs., c.l., divd..ton.18.50 -35.00
l.c.l., 15 tons, divd...ton.21.50 -25.50
5-ton lots.....ton.28.50 -41.00
liquor, basis 40%, tanks, wks. ton. 7.50 - —
purified, cryst., bbls., jars.lb. .28 - .39
solid, 73-75%, dms., c.l., divd. ton.18.00 -31.50
l.c.l., 15 tons, divd..ton.21.45 -25.45
73-75%, 5-ton lots.....ton.24.85 -40.95
Calcium chloride prices vary according to zone min. prices, spot. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Gluconate, USP, gran., bbls..lb. .52 - —
dms. .....lb. .57 - .58
cns. .....lb. .70 - —
Powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.29 - —
10-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
Iodide, bots., jars.....lb. 4.04 - 4.10
Lactate, edible, 100 lbs., dms lb. .21 - —
USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .28 - .29
Mandelate, dense, fluffy, dm.lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
5 to 9 bbls., works.....lb. .08 - .09
1 to 4 bbls., works.....lb. .10 - —
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
Resinate, precip., 5.3% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, 50-lb. paper bgs., c.l., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., bbls., c.l., works..lb. .25 - —
l.c.l., same basis.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70% bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - —
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. No stocks
Calomel,[2] bbls., dms.....lb. 1.88 - 1.89
Camphor, natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works. lb. .42 - —

ARMY E NAVY

HOOKER CHEMICALS

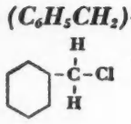
Where You Want the Benzyl, Benzal or Benzoyl Group, Choose from these Hooker Intermediates

Purity, chemical activity, ease of handling and comparative costs are some of the factors which should influence the choice of a chemical intermediate.

Where you need to incorporate a benzyl, benzal or benzoyl group into your product, Hooker gives you an opportunity of balancing these factors against chemical characteristics from a number of intermediates. Among Hooker chlortoluene compounds and derivatives, there are two chemicals that provide the benzyl group, one—the benzal group and four—the benzoyl group. From them we can help you select the one which best meets your requirements on all counts.

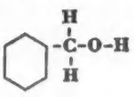
For the Benzyl Group ($C_6H_5CH_2$)—

BENZYL CHLORIDE, $C_6H_5CH_2Cl$



May be used in Friedel-Crafts reactions, may be reacted with alcohols in presence of caustic soda to produce mixed ethers; to introduce benzyl group in amino compounds; will react with sodium cyanide to form benzyl cyanide or phenyl acetonitrile; reacts with sodium sulfhydrate to form benzyl mercaptan; reacts with sodium sulfide to form benzyl sulfide. Produces esters with sodium salts of acids.

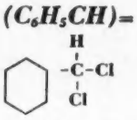
BENZYL ALCOHOL, $C_6H_5CH_2OH$



Reacts with some alcohols in presence of dehydrating agent such as sulfuric acid to produce ethers. Produces esters with acids, acid anhydrides or acid chlorides. Reacts with acetyl chloride to produce benzyl acetate.

For the Benzal Group (C_6H_5CH)—

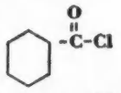
BENZAL CHLORIDE, $C_6H_5CH\,Cl_2$



Reacts with water to form benzaldehyde. May be used in Friedel-Crafts reactions as source of chloro group in production of triphenyl methane derivatives.

For the Benzoyl Group (C_6H_5CO)—

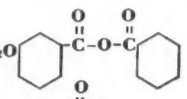
BENZOYL CHLORIDE, C_6H_5COCl



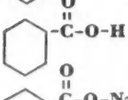
May be reacted with alcohols to produce esters. May be used in Friedel-Crafts reactions to produce ketones. Reacts with ammonia to form benzamide. Reacts with amines to give benzoyl substituted products.

Benzoyl Chloride is the most reactive chemical of the Hooker Benzoyl compounds. However, the following are also sources for the Benzoyl Group, and may be preferable in some cases:

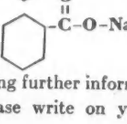
BENZOIC ANHYDRIDE, $(C_6H_5CO)_2O$



BENZOIC ACID, C_6H_5COOH



BENZOATE OF SODA, C_6H_5COONa



When requesting Bulletin 320, containing further information on these Hooker chemicals, please write on your letterhead.

HOOKER ELECTROCHEMICAL COMPANY
1 Forty-Seventh St., Niagara Falls, New York
NEW YORK, N. Y. • TACOMA, WASH. • WILMINGTON, CALIF.

CAUSTIC SODA CHLORINE
PARADICHLORBENZENE MURIATIC ACID

Camphor, tech., 10 bbls. (1,500 lbs.)..lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Monobromate, dms.....lb. 3.10 - 3.25
Canada balsam (see Fir balsam).
Cantharides .....lb. No stocks
Capsicum (see Pepper, red).
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] Californian, bgs., lb. .77 - .79
Canadian, bgs.....lb. .74 - .76
Morocco, dewhiskered, bgs...lb. .69 - .70
Spanish, dewhiskered, bgs...lb. .70 - .72
Syrian, dewhiskered, bgs....lb. No stocks
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1,6] c.p., dms., c.l. lb. .07½- —
l.c.l. .....lb. .08 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .60 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l.. gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
USP, cbys.....lb. .17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom,[1] bleached, bold, cs.. lb. 1.18 - 1.25
medium, cs.....lb. 1.08 - 1.15
coorg clipped, cs.....lb. .60 - .62
decorticated, cs.....lb. .75 - .80
green, bgs.....lb. .60 - .62
Carotene, crystalline (alpha, 10%; beta, 90%), amps, 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
Carvol, bots.....lb. 22.50 -28.00
Cascara sagrada bark, bulk...lb. .32 - .35
Case hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein,[1,6] dom., acid-precip., bgs., 100 or more, ship't point..lb. .24 - —
20 to 99, same basis....lb. .24¼- —
less than 20, same basis. lb. .24¾- —
rennet-precip., bgs., 100 or more, same basis..lb. .25½- —
20 to 99, same basis....lb. .25¾- —
less than 20 bgs.....lb. .26¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .17 - .18½
rennet-precip., unground, bgs., 100 bgs. or more..lb. .19½- .20
Cassia[1] .....lb. No stocks
Cassia fistula, bskts.....lb. .23 - .24
Castor beans, f.o.b. Brazilian ports..long ton. 58.00 -61.00
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works..... unit-ton. 2.90 - —
Castoreum, nat., cns.....lb. 12.50 -13.00
synth., bots.....lb. 19.00 - —
Catechol, CP, cryst., works, fib. dms., tin..lb. 2.15 - 2.30
resublimed, frt. alld. E. of Miss., dms..lb. 3.50 - —
Catnep, bls.....lb. .65 - .66
Celery seed,[1] Indian, bgs.....lb. .17½- .18
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate,[4,6] flake, ctns., works, frt. alld..lb. .30 - .35
granules, ctns., same basis..lb. .35 - —
Triacetate,[4,6] flake, ctns., works, frt. alld..lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
smaller lots, bgs., same basis..lb. 2.00 - —
Chalk, precipitated, cosmetics, dentifrices, and drugs, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton. 40.00 - —
papermakers, bgs., c.l., works. ton. 32.50 - —
rubbermakers, bgs., c.l., works. ton. 30.00 - —
Chamomile, Hungary type, cs..lb. .45 - .50
Roman, bls.....lb. No stocks
Charcoal, pinewood,[1,6] gran., pulv., bgs., c.l., f.o.b. producers' plants in South..ton. 30.20 - —
l.c.l., same basis.....ton. 41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[1,6] clarif., 25%, bbls., c.l., works..100 lbs. 2.85 - 3.85
l.c.l., works.....100 lbs. 3.10 - 4.10
tanks, works.....100 lbs. 2.25 - 3.25
powdered, 65% tannin, bgs., c.l., works..100 lbs. 6.50 - 9.10
l.c.l., works.....100 lbs. 7.25 - 9.85
Chillies (see Pepper, red).
China clay, dom., dry-grd, air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton. 16.00 - —
bulk, c.l., works...ton. 7.60 - —

China clay, dom., dry-grd., air-float, 99¾%, 200 mesh, bgs., c.l., wks..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet grd., silk-bolt 99.9%, 325 mesh, bulk, c.l., works... ton. 9.50 - —
paper bgs., c.l., works.ton. 12.50 - —
China clay, import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila...ton. 19.00 -24.00
powd., cks., l.c.l., ex whse.ton. 41.00 - —
Chloral hydrate, jars.....lb. .93 - .98
dms. .....lb. .90 - .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works..lb. .32 - —
smaller lots, works.....lb. .35 - —
Chlorine,[2,3,6] liquid, cyls., c.l.lb. .05¼- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks. frt. equald..100 lbs. 2.50 - —
1, wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 180-lb. cyls., works, frt. alld..lb. .80 - —
100-lb. cyls., same basis....lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms.....lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms..lb. 3.00 - 3.10
Chrome acetate, powd., 24%, bbls. lb. .22 - —
solut., 8%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Cake, bulk, c.l., works.....ton. 16.00 - —
Chrome ore,[1] residue, paper bgs., c.l., works..ton. 15.00 - —
Oxide (see Green, chrome).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.03 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., cs..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 oz. .80 + .13½*
sulphate, NF, cns., 100 ozs.. oz. .89 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[6] small, cryst., cns., 100 ozs..oz. .62 + .13½*
large cryst., cns., 100 ozs.oz. .66 + .13½*
Sulphate, NF, cns., 100 ozs..oz. .42 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, NF, bots.....lb. 3.70 - 3.80
dms. .....lb. 3.50 - 3.60
Heavy density cinchophen 20c. per lb. higher.
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cns., dms.....lb. 2.00 - 3.90
Cinnamon,[1] Ceylon, 2, bls.....lb. .53 - .53½
No. 2, bls.....lb. .52 - .53
chips, bgs.....lb. .56 Nom.
Citral, bots., cns.....lb. 2.85 - 4.75
Citrine ointment, jars.....lb. .91 - 1.11
Citronellal, bots., dms.....lb. 2.75 - 3.25
Citronellol, bots., dms.....lb. 6.00 - 7.00
Cloves,[1] Madagascar, futures, bls. lb. .16¾- .17¼
Zanzibar, futures, bgs.....lb. .16½- .17

Clover tops, red, bgs.....lb. .55 - .60
Coaltar,[6] coal-gas, crude, bbls., l.c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- —
Coaltar, coal-gas, refd., bbls., c.l., works..bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., dms., c.l., works...dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd., lb. .83¾- —
feed grade, 49.5% Co., kgs..lb. 1.25 - —
Carbonate,[6] powd., bgs., works, lb. 1.58 - —
feed grade, 23% Co., kgs...lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co., kgs..lb. 1.25 - —
Hydrate,[6] bbls.....lb. 2.04 - —
feed grade, 62% Co., kgs...lb. 2.25 - —
Linoleate, paste, 5%, dms....lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Naphthenate, 6% Co., 50-gal. dms..lb. .31 - —
Nitrate, feed grade, 20.4% Co., kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[6] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co., kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co., 100-lb. dms..lb. .38½- —
Soyate, 8%-8.5% Co., 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co., kgs...lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.
Cobalt-ammonium sulphate, 14% Co., kgs..lb. .75 - —
Coocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .39
silver, Teneriffe, bgs.....lb. .38 - .39
Cocoa butter,[1] bulk, ship't pt..lb. .25 - —
Cocillana bark, bgs.....lb. .28 - .30
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs..oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .18 - .20
blue, bls.....lb. .18 - .20
Colchicine, bots., cns.....oz. No stocks
Cochicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns. .....lb. .23 - .29½
flexible, USP, dms.....lb. .21 - .22
cns. .....lb. .25 - .31
Colocynth pulp, bls.....lb. .60 - .65
Colombo root, bls.....lb. .19 - .20
Coltsfoot leaves, bgs.....lb. .90 - 1.00
Condurango bark, bgs.....lb. .12 - .15
Copaiba balsam, Peru, cns....lb. .47 - .49
S. A., USP, cns.....lb. .50 - .52
Copper acetate,[6] cupric, bbls., works..lb. .25¼- —
smaller containers, wks..lb. .27 - —
Carbonate, 52-54%, bbls.....lb. .19½- .20½
Chloride,[6] anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14¾- .17
Cyanide,[6] tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1,3,6] electrolytic.....lb. .12 - .12½
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate,[6] tech., cryst., bbls..lb. .19¼- .20¼
Oleate, precip., bbls.....lb. .22½- .28½
Oxide,[6] black, bbls., works..lb. .19 - .20
red, com'l, bbls.....lb. .21¼- .24½

SPOT DELIVERIES

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Copper oxychloride-sulphate,[8] bgs. lb. .17 - .20
Resinate, precip., 8.8% Cu, 125-lb. dms..lb. .15½- .16
Sulphate,[1,6] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
7,200 to 36,000 lbs...100 lbs. 5.15 - —
2,700 to 7,200 lbs....100 lbs. 5.25 - —
700 to 2,700 lbs.....100 lbs. 5.50 - —
monohydrated, bgs., in dms., c.l., dlvd...100 lbs. 9.95 - —
l.c.l., same basis...100 lbs. 10.95 - —
Copperas, cryst., gran., bgs., c.l., works..ton. 17.00 - —
bbls., c.l., works.....ton. 20.00 - —
l.c.l., 25, works.....100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra, Coast, ship't.....lb. No prices
Coriander seed,[1] Indian, bgs..lb. No stocks
Morocco, bgs.....lb. .13¼ Nom.
Cornsilk, bls.....lb. .24 - .25
Corn sugar, tanners,[6] chipped, bgs., c.l., dlvd..100 lbs. 3.905 - —
slabs, bbls., c.l.....100 lbs. 3.825 - —
Syrup, 42°, bbls., c.l....100 lbs. 4.221 - —
43°, bbls., c.l.....100 lbs. 4.271 - —
Corrosive sublimate,[3] cryst., dms., 50 lbs. or more..lb. 1.59 - —
gran., powd., dms., 50 lbs. or more..lb. 1.44 - —
Cottonroot bark, bls.....lb. .22 - .25
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. 1.00 - —
Meal,[1] 41% protein, Memphis, c.l..ton. 45.00 - 49.75
Coumarin,[1] cns., makers, primary distrib., 5 lbs. or more..lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .85
Cream of tartar, USP, gran. or powd., bbls. 5,000 lbs. one ship't..lb. .57½- —
smaller lots, bbls.....lb. .58 - —
kgs.....lb. .58½- —

Creosote carbonate, bots., cbys. lb. 2.10 - 2.39
Coaltar, oil,[2] crude, tanks, works..gal. .15½- —
refd., bbls., l.c.l., works.gal. .26 - —
tanks, works.....gal. .18 - .18½
solution, tanks, works....gal. .141 - —
Wood, beech, bots., cbys.....lb. .85 - 1.04
Hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Cresol,[2,6] special resin grades, dms., c.l., works, frt. equald. lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., works, freight equald..lb. .10¾- .11¼
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, 55 and 110 gals., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l.. 100 lbs. 9.50 - —
smaller lots.....100 lbs. 10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
smaller lots, works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .27 - .28
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. No stocks
Cyanamide,[6] fertilizer mixing grade, guaranteed 21% N., pulv., bgs., Niagara Falls, Ont., contracts..unit-ton. 1.52½- —
20.6% N., gran., bulk, same basis..unit-ton. 1.62½- —

Cyclohexanone, 98-100%, wks..lb. .30 - .32
tech., dms., c.l., frt. alld. E., lb. .30 - —
l.c.l., frt. alld. E.....lb. .30½- —
tanks, frt. alld. E.....lb. .29 - —

Cyclohexanone prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.

Cyclopropane, USP, cyls., dlvd., gal. .27 - —

D

Dandelion root, bls.....lb. .40 - .45
Decanol,[6] normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls.....lb. .42 - .48
Defluorinated phosphate,[1] paper bgs., works..ton. 34.25 - —
Degras,[1,6] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls...lb. .26 - .29
over 2% ffa, bbls.....lb. .25 - .27
Damiana leaves, bls.....lb. .16 - .17
Derris root (same as Cube root).
Dextrin, British gum, bgs., c.l., 100 lbs. 5.29 - —
Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.39 - —
Chicago .....100 lbs. 5.03 - —
Corn, canary, bgs, c.l..100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —
white, bgs., c.l.....100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11¾
Diacetone (see Alcohol, diacetone).
Diacetyl, bots.....lb. 6.00 - 7.00
Diamyl ether (see Amyl ether).

Diamyl phthalate,[6] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works..lb. .25 - —
Diamylamine, dms., c.l., wks..lb. .61 - —
l.c.l., works.....lb. .64 - —
Diamylphenol, 2:4, dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .21 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic Coast.. lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific Coast, ton. 22.00 - 25.00
l.c.l., ex whse.....ton. 45.00 - —
purified, bgs., c.l., Atlantic Coast..ton. 55.00 - 59.00
l.c.l., ex whse.....ton. 85.00 - 90.00
imported, Algerian, bgs., c.l., Atlantic Coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic Coast..lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2640- .2900
7-gal. cns., same basis..lb. .2840- .3109
dms., c.l., same basis....lb. .2090- .2359
l.c.l., same basis.....lb. .2240- .2509
tanks, same basis.....lb. .1990- .2259
Sebacate, dms., works.....lb. .497 - .517
Tartrate, dms.....lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .61 - —
l.c.l., works.....lb. .64 - —
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equaled with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, com'l, dms..lb. .25 - —
refd., 90%, dms.....lb. .30 - —
Oxalate, dms., c.l., dlvd.....lb. .30½- —
l.c.l., dlvd.....lb. .31 - —
Phthalate,[6] dms., c.l., dlvd..lb. .2025- .2120
l.c.l. .....lb. .2075- .2170
tanks .....lb. .1925- .2050
Sulphate, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylamine, dms., c.l., works. lb. .76 - —
l.c.l., works.....lb. .81 - —
Diethylaminoethanol,[6] l.c.l., dms., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
tanks, same basis.....lb. .13½- —
Diethyleneglycol monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether,[6] dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. .60 - .65
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works. lb. .19 - —
Dillseed, cleaned, bgs.....lb. No stocks
dewhiskered, bgs.....lb. .12½- .13
Dimethyl phthalate,[6] dms., c.l., dlvd..lb. .1875- —
l.c.l., dlvd.....lb. .1925- —
tanks, dlvd.....lb. .1775- —
Dimethylamine, dms., c.l.....lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l. .....lb. .24 - —
Dimethylethyl carbinol (see carbinol).
Dinitrobenzene, bbls., 80° min.lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotoluolguanidin,[6] dms., tons, dlvd..lb. .44 - —
smaller lots.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld...lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1,6] dest. dist., dms., dlvd. E..gal. .55 - .56
tanks, dlvd. E.....gal. .45 - —
single dist., dms., dlvd. E..gal. .55 - .58
tanks, dlvd. E.....gal. .52 - —
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms.....lb. .43 - .45
Diphenylamine,[6] bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., tons.lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[5] bgs., ex dock.....ton. 68.00 - 70.00
Doggrass root, imp., cut, NF, bls..lb. .45 - .50
dom., bls.....lb. .36 - .45
Dogwood bark, Jamaica, bls...lb. .08 - .10
Dover's powder, USP, cns.....lb. 2.75 Nom.
Dragon's blood, reeds, cs.....lb. .85 - .90
Dyes, coaltar (certified colors for foods, drugs and cosmetics)—
Blue, FD&C blue, No. 1, cns..lb. 13.50 - —
FD&C blue, No. 2, cns...lb. 13.50 - —
Green, FD&C green, No. 1 cns. lb. 13.50 - —
FD&C green, No. 2, cns...lb. 17.50 - —
FD&C green, No. 3, cns...lb. 27.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red No. 3, cns.....lb. 17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors for drugs and cosmetics)—
Black, D&C black, No. 1, cns. lb. 8.35 - —
Blue, D&C blue, No. 4, cns..lb. 12.35 - —
Brown, D&C brown, No. 1, cns. 12.35 - —
Green, D&C green, No. 5, cns. lb. 12.35 - —
D&C green, No. 6, cns.....lb. 12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb. 15.35 - —
D&C orange, No. 10, cns...lb. 15.85 - —
Red, D&C red, No. 8, cns...lb. 2.85 - —
D&C red, No. 17, cns.....lb. 8.35 - —
D&C red, No. 18, cns.....lb. 15.35 - —
D&C red, No. 19, cns.....lb. 15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33, cns.....lb. 13.35 - —
D&C red, No. 37, cns.....lb. 12.35 - —
Yellow D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11, cns...lb. 10.35 - —

TALK about Lanolin to the average drug store customer, and what's the reaction? SPLENDID!!

While most folks *believe* Lanolin adds something to a product, our researchers can prove that the use of Nimco Brand Lanolin will result in a *better* product . . . a product with a talking point . . . with extra sales appeal.

If you haven't studied the potent possibilities of product improvement available through the use of Nimco Brand Lanolin, this is the time to begin your experiments.

The facilities and the know-how that have made Malmstrom America's Largest Supplier of Lanolin and Degras are available to you, together with samples, should you prefer to conduct your own tests.

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November ★ **U.S.I. CHEMICAL NEWS** ★ 1944

Soybean Protein Extraction Stepped-up with Ethanol

The best soybean protein is that extracted from flaked soybeans, which contain less oil and a more soluble protein than does soybean expeller meal. To date, flakes available commercially have been those extracted by petroleum ether.

A study made by the U. S. Department of Agriculture laboratories demonstrates that flakes extracted by ethanol contain 10 per cent more protein than the petroleum extracted flakes, and in addition the final separation of the protein from the solution of flakes in water is greatly speeded. Protein precipitated from ethanol-produced flakes settled in 20 minutes, while it required two hours for protein from petroleum-produced flakes to settle. Filtration rate of wet protein is increased 50 per cent.

The pilot plant, operated by the laboratory for more than a year, should be a source of valuable information to plants engaged in the large-scale production of soybean protein.

New Glycine Process Hinges on Ethanol

Glycine, and the primary amino carboxylic acid which is used as an intermediate in the synthesis of surface-active agents and corrosion inhibitors, are prepared more readily by a new method, according to the claims set forth in a recent patent.

The glycine is produced by heating a solution of sodium hydroxide, sodium cyanide, an alkyl metal salt of aminomethanesulfonic acid, and water together, adding hydrochloric acid to the solution, and evaporating the solution to dryness. From this residue the glycine hydrochloride is extracted with ethanol.

Primary amino carboxylic acid is obtained by reacting a metallic salt and an alkyl metal salt of aminomethanesulfonic acid together with water in an aqueous solution which is then acidified. After multiple refluxings, excess mineral acid and water are removed by evaporation. The dry residue is dissolved in ethanol to remove the amino carboxylic acid salts from the inorganic salts. An addition of aniline to the alcohol extract liberates the aminocarboxylic acid from its salt, and as it is virtually insoluble in ethanol, it may be separated directly by filtration.

Ethyl Acetoacetate

(*Continued from preceding page*)

pyrimidines, pyridines, quinolines, isoxazoles, furane and coumarin derivatives.

Amino Acids

One example of a field in which ethyl acetoacetate appears destined to open up new possibilities is in the synthesis of the amino acids which have been shown to be essential to human life, and which are increasingly mentioned in projected nutritional programs. Starting with ethyl sodium acetoacetate, it is indicated that these amino acids can be prepared according to the following reaction:

Amino Acids Made with Ethyl Sodium Acetoacetate

$$CH_3C(ONa):CHCOOC_2H_5 \xrightarrow{RCl} CH_3COCHRCOOC_2H_5$$

$$CH_3COCHRCOOC_2H_5 \xrightarrow{C_3H_5ONO + H_2SO_4} RC(NOH)COOH$$

$$RC(NOH)COOH \xrightarrow{H_2} RC(NH_2)HCOOH$$

Cottonseed Suggested as New Source of Lecithin

Soybean phospholipid, commercial source of lecithin which is an antioxidant and emulsifying agent widely used in foods and pharmaceuticals, finds a close counterpart in cottonseed phospholipid, according to recent investigations. Possibilities of using the cottonseed product as an added source of lecithin suggest themselves.

The cottonseed phospholipid was prepared experimentally by stirring commercial cottonseed, containing phospholipid, with changes of acetone to percipitate the phospholipids. The resulting powdered phospholipids were dissolved in ethyl ether and then poured into an excess of acetone. The resulting purified phospholipid was a stable, powdery solid, brilliant yellow in color, and the yield was 54 per cent. Fifteen to 20 per cent of this phospholipid could be dissolved by extracting with multiple changes of hot ethanol. This resulting lecithin fraction was high enough in phosphorous and nitrogen to render it commercially usable.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A new wetting agent and detergent has been developed for use in the textile field. Added uses as an industrial cleaner and in priming compounds and pickling baths are claimed. According to the manufacturer, the product is highly concentrated, containing less than 5 per cent water, and is soluble in alcohol. (No. 869)

U S I

To strip paint from metal surfaces, a new compound is designed to be brushed on, then washed off with a hose, carrying the paint with it. It is said to remove zinc chromate as well as other paint coatings and to permit the washing of brushes and other equipment in water. (No. 870)

U S I

A new synthetic rubber cement, which is claimed to bond neoprene to neoprene or neoprene to fabric, and fabric to fabric, is announced. Company also announces a general-purpose cement claimed to adhere as well as rubber cement to a variety of surfaces. (No. 871)

U S I

Fungus resistance for phenolics is claimed to be imparted by a newly-developed coating compound. It is intended to inhibit fungus development on phenolic electrical parts used in tropical climates. The new product may be applied by spray, dip or brush and has high dielectric strength. (No. 872)

U S I

An improved phosphorescent pigment, which is claimed to emit a brighter afterglow of longer duration, has just been announced for use in luminous paints, tapes, decalcomanias, etc. (No. 873)

U S I

To measure water hardness, a new instrument has been developed. Said to be much more rapid than gravimetric procedures, this new apparatus is designed to give accurate measurement of minerals, calcium, and magnesium in water samples in ten minutes. The new instrument is described as small, sturdy and inexpensive. (No. 874)

U S I

Plastic insulating tape, claimed by its manufacturer to be resistant to caustic or corrosive fumes, oils, acids, alkali and moisture, has been placed on the market. Designed to protect wires, piping and equipment, it is stated to be remarkably flexible, of high mechanical strength and to have heat sealing and flame resistant properties. (No. 875)

U S I

A new, heavy-duty paint, which is stated to protect brick, concrete, metal and wood surfaces against severe attacks by moisture, salt water, acid fumes and alkalis, is offered. This black, processed coal-tar paint may be applied by either brush or spray and is said to be well adapted for use on ships, docks, etc. (No. 876)

U S I

Ceramic insulation may be deposited on copper wire and other electrical conductors by a newly developed process, according to a recent announcement. Films are stated to retain their electrical characteristics, at about twice the temperature limits of enamel and other organic insulations, and to be flexible enough for winding coils. (No. 877)

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Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P. 96%, Absolute
*Super Pyro Anti-freeze
*Solox Proprietary Solvent

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Amyl Acetate
Butyl Acetate
Ethyl Acetate

OXALIC ESTERS
Dibutyl Oxalate
Diethyl Oxalate

PHTHALIC ESTERS
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate

OTHER ESTERS
*Diatol
Diethyl Carbonate
Ethyl Chloroformate
Ethyl Formate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate

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U.S.I. CHEMICAL NEWS

November ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1944

Non-Critical Resin Proves Practical for Variety of Jobs

S&W Aroplaz 1306 Performs Like a Modified Alkyd Resin

Introduced in the early part of this year as an alternate for critically scarce phthalic alkyd resins, S&W Aroplaz 1306 is now reported to be in successful use in a wide range of interior industrial coatings. The new resin is also proving practical in numerous architectural and exterior applications. Manufactured by a new process developed by U.S.I., "1306" contains no critical materials and is available without priority.

Color and Gloss

Initially very pale, the staining properties of "1306" are so slight that white enamels can be made approaching the whiteness obtained with alkyds, and color retention is excellent. In gloss and gloss-retention it is superior, in both clear and pigmented films, to many alkyds. It is also high in water- and alkali-resistance, and in flexibility.

SPECIFICATIONS – AROPLAZ 1306

	65% SOLIDS in MS	75% SOLIDS in MS
Acid Value (Plastic)	10-15	10-15
Color (G-H 1933)	7-9	7-9
Viscosity (G-H)	T-V	Y-Z1
Weight/Gallon at 25 C	7.7	7.9 lbs.

Metal-on-Plastic Plating Uses Alcoholic Solutions

According to claims set forth in a newly-granted patent, a metallic coating heavy enough to serve as a cathode for subsequent electroplating may be applied to plastic articles, such as buttons, costume jewelry, and so forth.

The plastic object to be plated is prepared by rolling it in sand to abrade the surface, immersing it in a ferrous sulphate bath and then one of copper sulphate. Next, the plastic article is treated in a bath of ethanol, water, sulphuric acid, quinol and stannous sulphate. Following this, comes a treatment in a bath of sodium hydroxide, silver nitrate and ammonia.

In order to cause a thin layer of silver to deposit from the silver nitrate upon the plastic articles, a reducing agent is added to the last bath. This reducing agent is composed of ethanol, sugar, nitric acid and water.

The metallic silver thus deposited is heavy enough to carry the subsequent electroplating current.

U.S.I. Announces New Pacific Coast Office

In order better to serve western industry, U.S.I. has opened a new Pacific Coast office in Los Angeles. This new office is to be the headquarters for the company's entire Pacific Coast operations, and will handle all sales and technical matters in the states of California, Oregon, Washington, Idaho, Nevada, Utah and Arizona.

The new office is to be in the charge of Mr. Robert E. Alexander, Pacific Coast Manager, while Mr. G. C. Dohm will serve as Manager of the Los Angeles Division. Mr. Henry M. Lindau will specialize in resin sales and will have his headquarters in San Francisco.

Address of the new office is 433 South Spring Street, Los Angeles 13.

Need Ethyl Acetate?

The most widely used fast-evaporating nitrocellulose solvent, ethyl acetate offers the advantages of low cost, strong solvent power and mild, pleasant, non-residual odor. With the availability situation undergoing continual change, it is quite possible that you can make wider use of this versatile solvent. U.S.I. will be glad to discuss the possibilities of filling your requirements.

Tipsy Oysters Shed Shells in Record Time

Fish and Wildlife Service experiments point the way to more rapid shucking of oysters. In laboratory tests the oysters were soaked in carbonated water for five minutes.

The carbon dioxide intoxicated the bivalves to the point where the large muscle holding the shells closed relaxed and the oysters were easily opened. In one test, a novice opened 150 drunken oysters in twenty minutes, a speed difficult for the most experienced oyster shucker to attain with sober oysters. Neither flavor nor quality of the oysters was affected.

Doubles Output of Ethyl Acetoacetate, Wider Use Foreseen

U.S.I. Pictures Continuing Postwar Demand for Its Increased Production

The postwar use of synthetic anti-malarials now seems certain to continue at much higher levels than was originally thought. For Atebrin and other quinine substitutes are demonstrating definite therapeutic advantages over the natural product. Equally significant, they are bringing tremendous reductions in the cost of treating and preventing malaria. With the end of the war, these factors will make it possible to attack—on a scale never before dreamed possible — a scourge which still takes more than a million lives a year.

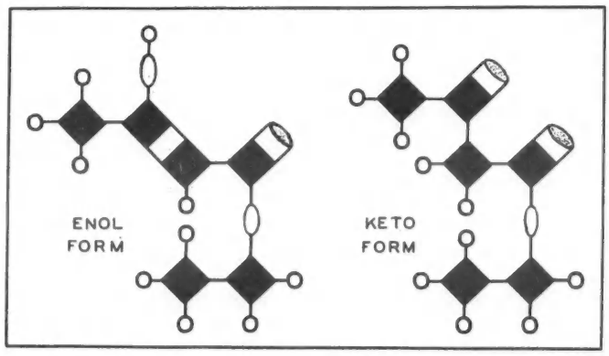
The use of the sodium derivative of acetoacetate in the preparation of Atebrin and other anti-malarials thus will continue alone to account for large quantities of this reactive intermediate. The synthesis of thiamin hydrochloride (Vitamin B_1) and antipyrine are other uses now consuming steadily increasing tonnages.

Other Uses Seen

However, it was not merely to meet the mounting demand for ethyl acetoacetate in these two fields that U.S.I. recently doubled its production. For the organic structure of ethyl acetoacetate is such that it permits a wide variety of chemical reactions leading to a long list of valuable end-products. With the experience gained in the last few years in carrying out these reactions on a commercial scale, many new end-products loom as imminent realities. The two unusual properties which make ethyl acetoacetate important in chemical synthesis are:

1. The reactivity of the hydrogen on the carbon adjacent to the $COOC_2H_5$ group. Hydrogen substitutions at this point lead to the introduction of groups such as halogen, metal, acyl and alkyl radials. Ammonia, aniline, urea and many other types of compounds containing the NH_2 group, add with the elimination of water.
2. The addition products (especially the amides) mentioned above have a tendency to close into ring structures of the most varied types, giving for example substituted pyrroles, pyrazoles, pyrazolones,

(Continued on next page)



The chemical structure of ethyl acetoacetate shifts between the enol and keto forms. Both forms are shown in this diagram, in which hydrogen atoms are represented by circles, oxygen by ellipses, and carbon by squares. The square is used as the symbol for carbon, instead of the conventional tetrahedron, in the interests of simplicity.

Dyes, coaltar (certified colors for external use, drugs and cosmetics—

Blue, Ext. D&C blue, No. 1, cns.	lb.	12.35	-	—
Green, Ext. D&C green, No. 1, cns.	lb.	12.35	-	—
Red, Ext. D&C red, No. 1, cns.	lb.	10.35	-	—
Ext. D&C red, No. 3, cns.	lb.	12.35	-	—
Ext. D&C red, No. 8, cns.	lb.	7.85	-	—
Ext. D&C red, No. 10, cns.	lb.	12.35	-	—
Ext. D&C red, No. 13, cns.	lb.	12.35	-	—
Yellow, Ext. D&C yellow, No. 1, cns.	lb.	8.35	-	—

Dyes, coaltar, for general uses[3] (numbers are those of Colour Index scale)—

36 Chrome yellow, 2G	lb.	.65	-	.70
40 Chrome yellow R	lb.	.50	-	1.00
53 Victoria violet	lb.	.80	-	1.00
165 Lake red C	lb.	.70	-	.80
170 Fast red A[3]	lb.	.56	-	.60
180 Fast red VR	lb.	1.50	-	1.60
189 Lake red R, paste	lb.	.85	-	.90
189 Lake red R, powd.	lb.	3.00	-	3.10
202 Chrome blue black U	lb.	.35	-	.42
204 Chrome black A	lb.	.42	-	.45
208 Fast red blue R	lb.	.75	-	2.00
216 Chrome red B	lb.	1.75	-	2.00
262 Cloth red 2B	lb.	.60	-	.80
280 Fast cyanin 5R	lb.	.90	-	1.00
299 Chrome black F	lb.	.85	-	.88
304 Paper yellow	lb.	.83	-	.90
307 Fast cyanin black B	lb.	.80	-	.85
326 Direct fast scarlet	lb.	2.00	-	2.25
365 Chyrophenin G	lb.	.58	-	.70
382 Direct scarlet B	lb.	1.15	-	1.20
387 Direct violet B	lb.	1.00	-	1.30
394 Direct violet N	lb.	.80	-	.85
401 Developed black BHN, lb.	lb.	.45	-	.60
406 Direct blue 2B	lb.	.66	-	.70
415 Direct orange B	lb.	.60	-	.70
419 Direct fast red F	lb.	.70	-	.73
420 Direct brown M	lb.	.55	-	.57
448 Benzo purpurin 4B	lb.	.65	-	.68
495 Benzo purpurin 10B	lb.	.40	-	.50
502 Direct azcrin G	lb.	.75	-	.80
512 Direct blue RD	lb.	.80	-	1.00
518 Direct pure blue 6B	lb.	1.20	-	1.30
520 Direct pure blue	lb.	.50	-	1.00
529 Direct fast black FF	lb.	.55	-	1.00
581 Direct black EW	lb.	.50	-	.54
582 Direct black RX	lb.	.35	-	.45
592 Direct green B	lb.	.50	-	.55
594 Direct green G	lb.	.50	-	.55
596 Direct brown 3GO	lb.	.85	-	1.00
620 Direct yellow R	lb.	1.25	-	1.50
698 Acid violet	lb.	1.00	-	3.00
812 Primulin	lb.	.70	-	.73
814 Direct fast yellow	lb.	2.00	-	2.25
845 Nigrosin (water soluble).	lb.	.35	-	.50
1177 Indigo, 20% paste	lb.	.15	-	.18
Benzo fast black L.	lb.	.90	-	1.00
Sulphur black	lb.	.20	-	.25
Sulphur blue	lb.	.45	-	1.00
Sulphur brown	lb.	.25	-	.50
Sulphur maroon	lb.	.40	-	—
Sulphur tan	lb.	.30	-	.50
Sulphur olive	lb.	.25	-	.54
Sulphur yellow	lb.	.30	-	.50
Zambesi black	lb.	.75	-	.80
Black—				
865 Nigrosin derivatives	lb.	.36	-	.44
Blue—				
7075 Alizarin astral base	lb.	15.00	-	—
1078 Alizarin cyanin, green base	lb.	6.00	-	—
Brown—				
Brown	lb.	1.15	-	—
Green—				
1078 Alizarin cyanin green	lb.	5.00	-	—
Green	lb.	.75	-	—
Orange—				
24 Sudan I	lb.	.75	-	—
Red shade	lb.	.75	-	—
Red—				
75 Sudan II	lb.	1.05	-	—
258 Sudan IV	lb.	.85	-	—
680 Oil violet	lb.	.50	-	—
749 Rhodamine B (oil pink).	lb.	2.50	-	—
1080 Anthraquinone,[6] violet base	lb.	6.00	-	—
Yellow—				
15 Amidoazobenzene yellow	lb.	.90	-	—
17 Amidoazotoluene yellow.	lb.	.75	-	—
61 Yellow OB	lb.	1.40	-	2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black—				
246 Naphthol blue black S.	lb.	.50	-	—
729 Victoria blue B	lb.	1.85	-	—
861 Indulin	lb.	.87	-	—
873 Methylene gray	lb.	1.50	-	—
909 New blue P	lb.	1.20	-	—
922 Methylene blue	lb.	1.00	-	—
1054 Alizarin saphirol B	lb.	1.90	-	—
1180 Indigotin IA	lb.	.85	-	—
Blue—				
714 Patent blue A	lb.	1.05	-	1.10
Brown—				
231 Bismarck brown G	lb.	.47	-	.62
234 Resorcin brown Y	lb.	.65	-	—
235 Resorcin dark brown R.	lb.	.66	-	—
332 Bismarck brown R	lb.	.47	-	.62
793 Phosphin	lb.	4.65	-	—
Green—				
5 Naphthol green B	lb.	1.00	-	—
657 Malachite green	lb.	1.35	-	—
662 Brilliant green	lb.	2.00	-	—
666 Guinea green B	lb.	1.15	-	—
737 Wool green S	lb.	.58	-	—
934 Methylene green B	lb.	1.55	-	—
1078 Alizarin cyanin green	lb.	2.00	-	—
Orange—				
10 Chrysoidin G	lb.	.44	-	—
21 Chrysoidin R	lb.	.41	-	—
27 Orange G	lb.	.50	-	—
31 Amidonaphthol red G	lb.	.42	-	—
37 Amidonaphthol red 6B.	lb.	.68	-	—
151 Orange Y	lb.	.31	-	.33
161 Orange R	lb.	.34	-	—
Red—				
79 Ponceau R	lb.	.48	-	—
88 Fast red B	lb.	1.05	-	—
176 Fast red A[3]	lb.	.54	-	—
179 Azorubin	lb.	.60	-	—
183 Crocein scarlet 3BX	lb.	.72	-	.75
185 Cochineal red A	lb.	.60	-	—
252 Brilliant crocein M	lb.	.68	-	—
677 Fuchsin	lb.	2.10	-	—
749 Rhodamine B	lb.	3.50	-	—
752 Rhodamine 6B	lb.	4.50	-	—
768 Eosin G	lb.	1.50	-	—
841 Safranin	lb.	1.45	-	—
Violet—				
680 Methyl violet B	lb.	.70	-	.75
681 Crystal violet B	lb.	1.75	-	—
695 Acid violet 4BN	lb.	.58	-	—
Yellow—				
10 Naphthol yellow S	lb.	.88	-	—
138 Metanil yellow	lb.	.56	-	.58
636 Fast light yellow	lb.	1.25	-	—
639 Xylene light yellow	lb.	1.15	-	—
640 Tartrazin	lb.	.80	-	—
655 Auramine	lb.	1.27	-	—

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers works or warehouse).

Black—				
861 Nigrosin	lb.	.36	-	.44
Blue—				
860 Indulin	lb.	.60	-	.70
Brown—				
331 Bismarck brown	lb.	1.50	-	—
Green—				
637 Malachite green base	lb.	2.00	-	—
Orange—				
20 Chrysoidin G	lb.	.95	-	—
21 Chrysoidin R	lb.	.96	-	—
Red—				
677 Fuchsin, magenta, base,	lb.	7.25	-	—
749 Rhodamine R	lb.	4.75	-	—
Yellow—				
67 Amidoazotoluene yellow,	lb.	.75	-	—
655 Auramine	lb.	2.00	-	—
800 Chinolin yellow SS	lb.	2.00	-	—
Violet—				
680 Methyl violet base	lb.	.85	-	—

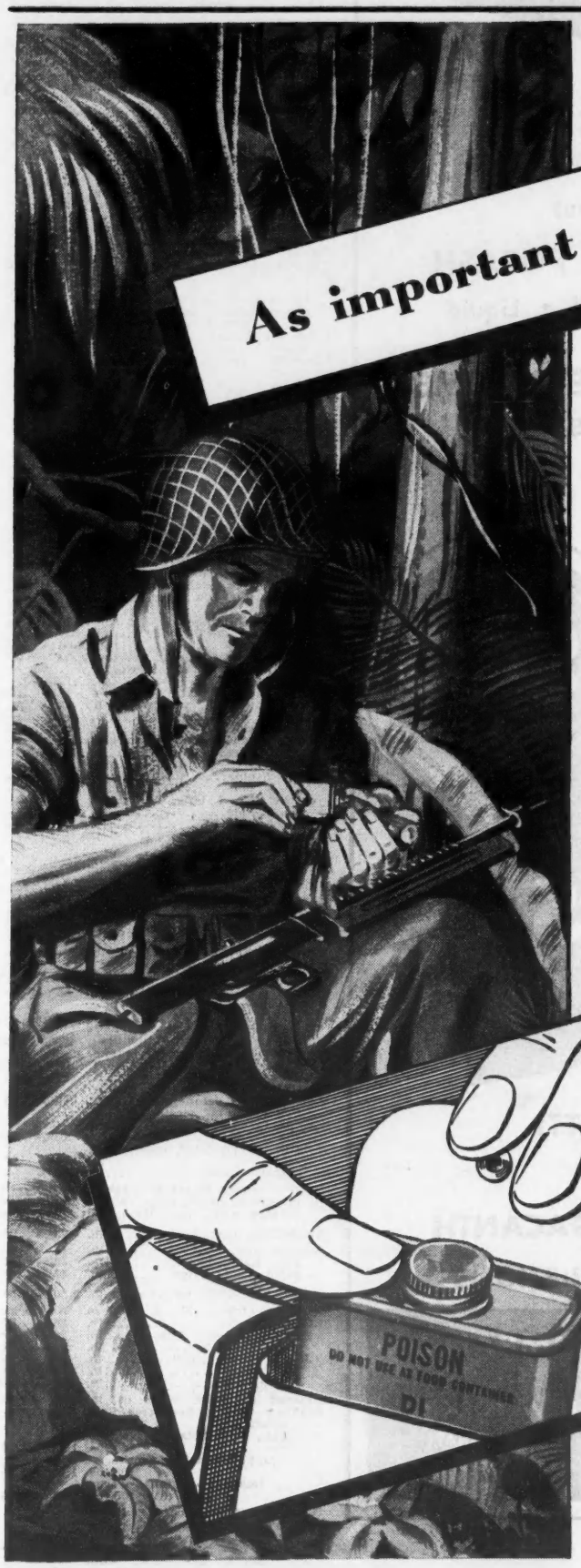
Dyes, natural (see name of article).

E

Echinacea root, bls	lb.	.90	-	.95
Egg[1] albumen (see Albumen).				
Yolk, dried, dom., bbls	lb.	1.10	-	1.14
imported	lb.	No stocks		
Elder flowers, bright, bls	lb.	.58	-	.59
Elecampane root, bls	lb.	No stocks		
Elm bark, grinding, bls	lb.	No stocks		
powd., bbls., bxs	lb.	No stocks		
select, bndls	lb.	.55	-	.60
Emetine[6] hydrochloride, bots.	oz.	21.00	-	33.00
Ephedra, bls	lb.	.21	-	.22
Ephedrine, natural, USP, anhydrous, bots.	oz.	1.15	-	1.65
Hydrochloride or sulphate, tins.	oz.	.95	-	1.45
Ephedrine, synthetic, USP, anhyd., bots., 100 ozs.	oz.	.65	-	—
Hemihydrate, bots., 100 ozs.	oz.	.65	-	—
Hydrochloride, tins, 100 ozs. or more	oz.	.50	-	—
Sulphate, cryst., tins, 100 ozs. or more	oz.	.48	-	—
Epinephrine, synth., USP, bots.,	gram.	.75	-	—
Epsom salt, tech., bgs	100 lbs.	1.80	-	—
bbls.	100 lbs.	1.90	-	—
USP, cryst., bgs., c.l.	100 lbs.	2.00	-	—
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.25	-	—
smaller lots	100 lbs.	2.50	-	—
bbls., c.l.	100 lbs.	2.10	-	—
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.35	-	—
smaller lots	100 lbs.	2.60	-	—
kgs., c.l.	100 lbs.	2.35	-	—
l.c.l., 5,000 lbs. 1 withdrawal	100 lbs.	2.60	-	—
smaller lots	100 lbs.	2.85	-	—
dried, bgs., l.c.l.	lb.	.08	-	.09

Epsom salt prices are freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, dms	lb.	1.40	-	1.45
Eserine, bots	oz.	No prices		
Sulphate, 1-gram vials	vial	2.10	-	—
Ether, acetic (see Ethyl acetate).				
Amyl (see Amyl ether).				
Butyl, l.c.l., dms., dlvd	lb.	.30	-	—
Ethyl (see Ether, sulphuric).				
Nitrous, conc., bot., 100 lbs.	lb.	.93	-	1.10
Ether, sulphuric, conc., dms.	lb.	.11	-	.16
USP anesthesia, hospitals, 1-lb.cns.	lb.	.60	-	.61
Synthetic, dms., c.l., works	lb.	.14½	-	—
l.c.l., works	lb.	.15½	-	—
tanks	lb.	.12½	-	—
Ethyl acetate,[3,6] 85-90%, dms., c.l., frt. alld.	lb.	.1170	-	.1275
l.c.l., frt. alld.	lb.	.1220	-	.1325
tanks, frt. alld.	lb.	.1070	-	.1175
95-98%, dms., c.l., frt. alld.	lb.	.1225	-	.1335
l.c.l., frt. alld.	lb.	.1275	-	.1385
tanks, frt. alld.	lb.	.1125	-	.1235
NF, dms	lb.	.14¼	-	.15¼
Acetoacetate, dms., c.l., works.	lb.	.37½	-	—
l.c.l., frt. alld.	lb.	.38	-	—
Benzoate, bots.	lb.	.90	-	1.00
Bromide, tech., dms	lb.	.50	-	.55
Carbamate, dms., dlvd. E	lb.	.58	-	—
Chloride, dms	lb.	.18	-	.20
Cinnamate, cns	lb.	3.25	-	3.85
Formate, dms., f.o.b. Agnue, Calif.	lb.	.26	-	.32
Iodide, bots.	lb.	3.50	-	3.60
Lactate, dms., works	lb.	.33½	-	.39½
Myristate, dms., works	lb.	.65	-	—
Oenanthate, dms	lb.	.75	-	1.25
Oleate, dms., works	lb.	.47	-	—
Oxalate, dms., frt. alld.	lb.	.33	-	—
Silicate, l.c.l., dms., works.	lb.	.77	-	—
Ethylcellulose,[6] standard, pkgs., 5,000 lbs. or more, works.	lb.	.50	-	—
smaller lots, same basis	lb.	.52	-	.60
Ethyldiethanolamine, dms., l.c.l., works.	lb.	.80	-	—
Ethylene dichloride,[6] dms., c.l., works, E. of Rockies, frt. alld.	lb.	.0842	-	—
West of Rockies, same basis.	lb.	.0891	-	—
l.c.l., works, E. of Rockies, same basis.	lb.	.0891	-	—
West of Rockies, same basis.	lb.	.0941	-	—
tanks, E. of Rockies, same basis.	lb.	.0743	-	—
West of Rockies, same basis.	lb.	.0792	-	—
Ethylene trichloride (see Trichloroethane).				



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AN old line sergeant now in Italy told a war correspondent he spent a lot of time making sure rifles were properly cleaned and cared for in a training camp . . . but never had to worry about that at the front!

When a man's life depends on his rifle . . . he keeps it cleaned and oiled. That's why this container for rifle oil was designed to fit a pocket of the standard cartridge belt. A fighting man wants it with him all the time.

The American Oil & Supply Co. of Newark, New Jersey, packages its lubricating and preservative oil for the Ordnance Department in this container . . . made by Crown. It's not a highly decorative can . . . it's designed for concealment rather than display. But it is sturdily built to stand front line conditions—and that is where it goes!

Another example of how the Crown organization is doing a war production job that is a direct contribution to the success of American arms!

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Ethyleneglycol,[2,6] dms., c.l., frt. alld. in E..lb. .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether,[6] d m s., c.l., works..lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether, d m s., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .13½- —
l.c.l., dms.....lb. .14½- —
tanks, works.....lb. .12½- —
Monomethylether, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, d m s., c.l., works..lb. .57 - —
l.c.l., works.....lb. .60 - —
Ethylidinanilin, dms.....lb. .45 - .47½
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz.10.50 -10.75
Ethylvanillin,[1] cns., makers, primary distrib., 5 lbs. or more.lb. 5.25 - —
smaller lots.....lb. 5.30 - 5.40
Eucalyptol, cns., dms.....lb. 2.50 - 3.00
Eucalyptus leaves, bls.....lb. .10 - .18
Eugenol, cns., dms.....lb. 2.65 - 3.25
Euphorbia, bls.....lb. .12 - .13

F

Feldspar, enamel, 100 mesh, bulk, c.l., works..ton.14.00 -17.50
bgs., min., 2 tons.....ton.17.00 -20.50
glass, 20 mesh, bulk, c.l., works..ton. 9.75 -12.25
bgs., l.c.l., min. 2 tons..ton.12.75 -16.25
pottery, bulk, c.l., works..ton.17.00 -19.00
l.c.l., bgs., min. 2 tons..ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. No stocks
Indian, bgs.....lb. .16½ Nom.
Fenugreek seed, domestic, bgs.lb. .20 - .20½
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Ferric sulphate, anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., same basis.....ton.40.00 - —
Film scrap, colored, cs., 50 lbs. or over, works..lb. .13½- —
smaller lots, works.....lb. .15 - —
water white, cs., 50 lbs. or over, works..lb. .14½- —
smaller lots, works.....lb. .17 - —
Fir, balsam, Canada, cns....gal.16.50 -17.00
Oregon, bbls.....gal. 2.35 - 2.50
Fishberries, bgs.....lb. .23 - .24
Fishoils (see Oil, fishliver).
Fishmeal,[1] grd., 60% protein, bgs., E. works..ton.72.50 - —
65% protein, same basis..ton.78.50 - —
Fishscrap, dried, 60% protein, bulk, East Coast..ton.66.50 - —
Flake white, bbls.....lb. .09 - —
kegs.....lb. .11 - —
Fleaseed, French type, black, bgs..lb. .62 - .64
Indian, blonde, bgs.....lb. .11½- .14
Fluorspar, No. 1, ground, 95-98% CaF_2, bulk, c.l., mines, net ton.37.00 - —
washed gravel, 70% or more CaF_2, mines..net ton.33.00 - —
65%, mines.....net ton.32.00 - —
60%, mines.....net ton.31.00 - —
less than 60%, mines..net ton.30.00 - —
Formaldehyde,[1,2,6] bbls., c.l., works..lb. .0620- —
l.c.l., works.....lb. .0570- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works.....lb. .0510- —
tanks, works.....lb. .0320- —
tanktrucks, dlvd. N.Y.C.....lb. .0345- —
Fringetree bark, bls.....lb. .70 - .75
Fuller's earth, dom., powdered, bgs., c.l., Fla., Ga. mines..ton. 8.50 -15.00
Tex. mines.....ton.12.50 - —
spent, bulk, Bayonne....ton. 3.00 - —
Chicago.....ton. 4.00 - —
imp., bgs., c.l.....ton.30.00 -40.00
Furfural,[6] ref., dms., c.l., works, lb. .15½- —
dms., cns., l.c.l., works..lb. .18 - .25½
tech., dms., c.l., works.....lb. .13 - —
l.c.l., dms., cns.....lb. .15½- .20½
tanks, works.....lb. .09½- —
Fusel oil, crude, dms., works..gal. .75 - —
refd., dms., dlvd.....lb. .18½- .19½
Fustic, cryst., No. 1, bbls....lb. .32 - —
No. 2, bbls.....lb. .30 - —
No. 3, bbls.....lb. .28 - —
extract, No. 1, bbls.....lb. .16 - —
No. 2, bbls.....lb. .15 - —
No. 3, bbls.....lb. .12½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .30 Nom.
Gambier, cube, Singapore, cs., lb. No stocks
extract, bbls.....lb. No stocks
Gasoline[1] at refnery, ex tax:—
Arkansas, US motor, 70-74 octane, tanks..gal. .05⅞- —
Bayonne, 70-74 oct., tanks... gal. .09075- —
Gulf Coast, US motor, 70-74 octane, tanks..gal. .05⅝- .06⅛
Group 3, 70-74 octane, tanks, gal. .06⅛- .06⅜
natural, 26-70, tanks....gal. .04⅝- .05
Oklahoma-Texas, US motor, 70-74 octane, tanks..gal. .05⅞- .06
Pennsylvania, western, U. S. motor 70-74 octane, leaded, tanks..gal. .07⅜- .0695
Gelatin, silver, label, ctns., dlvd. lb. .90 - .97
export, cases.....lb. 1.00 - —
Silver gelatin prices 5c. higher for deliveries in:—Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash., and Wyo.
Gelsemium, root, bls.....lb. .23 - .25
Gentian root, bls.....lb. .41 - .42
grd., bbls., bxs.....lb. .46 - .47
powd., bbls., bxs.....lb. .47 - .48
Geraniol, 92-96% cns., dms....lb. 3.50 - 4.50
Ginger,[1] African, No. 1, bls...lb. No stocks
Calicut, bgs.....lb. .26½- .27
Cochin, bleached, bgs.....lb. .28 - .29
unbleached, bgs.....lb. .23½- .24
Jamaica, No. 1, bgs.....lb. .25 - .26
No. 2, bgs.....lb. .23½- .24
No. 3, bgs.....lb. .23 - .23½
Ginseng root, wild, South, cs..lb. 8.00 - 9.00
Glauber's salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., c.l., works, 100 lbs. 1.05 - 1.25
l.c.l., 5 tons up, works.... 100 lbs. 1.15 - 1.35
less than 5 tons, works. 100 lbs. 1.25 - 1.45
Glue, bone,[6] producers,' calcium type, 24 millipoise, 86 jelly-grams, bgs., c.l., East of Midwest..lb. .16 - —
30/58, bgs., c.l., same basis..lb. .15½- —
Glue, bone, producers, calcium-type, 58/82, bgs., c.l., same basis..lb. .17 - —
82/108, bgs., c.l., same basis..lb. .18½- —
Producers' bone glue l.c.l. prices 1c. over c.l.
Hide, producers,[1,6] 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .14 - .21½
122-149, bgs., c.l., dlvd....lb. .15 - .22½
150-177, bgs., c.l., dlvd....lb. .16 - .23½
178-206, bgs., c.l., dlvd....lb. .17 - .24½
207-236, bgs., c.l., dlvd....lb. .18 - .25½
237-266, bgs., c.l., dlvd....lb. .19 - .26½
267-296, bgs., c.l., dlvd....lb. .20 - .27½
297-330, bgs., c.l., dlvd....lb. .21 - .28½
331-362, bgs., c.l., dlvd....lb. .22 - .29½
363-394, bgs., c.l., dlvd....lb. .23 - .30½
395-427, bgs., c.l., dlvd....lb. .24 - .31½
428-460, bgs., c.l., dlvd....lb. .25 - .32½
461-494, bgs., c.l., dlvd....lb. .26 - .33½
495-529, bgs., c.l., dlvd....lb. .27 - .34½
Hide glue l.c.l. prices 1c. over c.l.; bbls. ½c. over bags.
Glycerin, crude, saponification, 80%, to refiners, tanks..lb. .11¼- —
soaplye, 80%, tanks.....lb. .10 - —
dynamite, dms., c.l.....lb. .14½- —
l.c.l.....lb. .15 - —
tanks.....lb. .14¼- —
high gravity, dms., c.l.....lb. .14½- —
l.c.l.....lb. .15 - —
tanks.....lb. .14¼- —
ref., USP, CP, 95%, dms., c.l., lb. .15½- —
l.c.l.....lb. .15⅝- —
tanks.....lb. .15 - —
B.P., 96%, dms., c.l.....lb. .15⅝- —
l.c.l.....lb. .16¼- —
tanks.....lb. .15½- —
yellow, distilled, dms., c.l...lb. .15⅝- —
l.c.l.....lb. .15⅞- —
tanks.....lb. .14½- —
Zone C, territory west of Zone B.
Glycine, medicinal bbls., tins.lb. 1.25 - 1.30
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold of pleasure seed, bgs....lb. No stocks
Gold chloride, acid-brown, bots., oz.20.75 -21.00
acid-yellow, bots.....lb.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal, root, bls.....lb. 7.25 - 7.50
powd., bxs.....lb. 7.50 - 7.75
Grains of Paradise, bgs.....lb. .30 - .37
Graphite, conc., dom., crystalline, 80% through 50 mesh, carbon content, 65-70%, bgs., whse., works..lb. .04½- —
70-75%, bgs., same basis..lb. .05 - —
75-80%, bgs., same basis..lb. .05½- —
80-85%, bgs., same basis..lb. .06 - —
85-90%, bgs., same basis..lb. .07 - —
90% and up, same basis..lb. .08 - —
Grease,[1,3] house, loose.....lb. .08¼- —
white, choice, loose.....lb. .08⅞- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, tungstic, kgs., works..lb. 3.75 - —
molybdic, same basis.....lb. 3.25 - —
Chrome,[1,6] CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
11-15%, bbls., same basis.lb. .25 - —
20%, bbls., same basis...lb. .25½- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26½- —
31-35%, bbls., same basis.lb. .27½- —
36-40%, bbls., same basis.lb. .29 - —
41-45%, bbls., same basis.lb. .30½- —
46-50%, bbls., same basis.lb. .33 - —
reduced color, 8%, bbls., same basis..lb. .06¾- —
9-10%, bbls., same basis.lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .08¾- —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09¼- —
26-27%, bbls., same basis.lb. .09½- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.lb. .10¼- —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .13 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. .18½- —
61-65%, bbls., same basis, lb. .19 - —
70%, bbls., same basis....lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.
Chrome oxide,[6] pure, dms., works..lb. .24 - —
Malachite,[1] thioflavin toner, tungstic, bbls., works..lb. 3.50 - —
molybdic, bbls., works..lb. 3.00 - —
Phthalocyanin,[1] green toner, bbls., works..lb. 4.00 - 5.00
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.00 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, green).
Grindelia robusta, bls.....lb. .20 - .22
Guaiac resin, cs.....lb. .48 - .49
Wood, bls.....lb. .05 - .06
Guaiacol, carbonate, fib. dms.lb. 2.40 - 2.74
liquid, dms.....lb. 1.75 - 2.01
Guanidin carbonate,[1] bbls., c.l., works..lb. .57 - —
smaller lots.....lb. .58 - .73½
Guarana, powd., cs.....lb. No prices
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25
Arabic, amber, sorts, bgs....lb. .11½- .13
white, sorts, 1, bgs.....lb. .28 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 3.00 - 3.50
Sumatra, cs.....lb. .52 - 1.00
Camphor (see C).
Copal, Congo, sorted, No. 30, bgs., c.l., ex dock or port, whse..lb. .65¾- —
31, bgs., same basis....lb. .21½- —
32, bgs., same basis....lb. .15⅜- —
33, bgs., same basis....lb. .14 - —
34, bgs., same basis....lb. .06¼- —
35, bgs., same basis....lb. .15⅛- —
36, bgs., same basis....lb. .12⅜- —
37, bgs., same basis....lb. .15⅛- —
38, bgs., same basis....lb. .13⅛- —
39, bgs., same basis....lb. .10⅝- —
40, bgs., same basis....lb. .08 - —
41, bgs., same basis....lb. .11⅛- —

Gum, copal, Congo, unsorted, No. 1, bgs., same basis..lb. .14½- —
2, bgs., c.l., same basis..lb. .12½- —
3, bgs., c.l., same basis..lb. .11½- —
FAD, bgs., c.l., same basis..lb .14½- —
Prices for l.c.l., ½c. to ½c. higher than c.l.
East India,[1] batu, bold, scraped, bgs., c.l., same basis..lb. .10½- —
unscraped, same basis.lb. .09 - —
chips, same basis....lb. .12 - —
dust, same basis....lb. .06½- —
nubs and chips, same basis..lb. .05¾- —
black, bold, scraped, bgs., ex dock or port, whse..lb. .12 - —
unscraped .....lb. .07½- —
nubs and chips, same basis..lb. .07¼- —
pale, Hiroe-Macassar,[1] bold, bgs., c.l., same basis..lb. .17½- —
chips, same basis....lb. .11½- —
dust, same basis....lb. .06½- —
nubs, same basis....lb. .13½- —
Singapore, Rasak, bold, bgs., same basis..lb. .22½- —
chips, same basis....lb. .11½- —
dust, same basis....lb. .06½- —
nubs, same basis....lb. .16½- —
Macassar,[1] dust, bgs., c.l., same basis..lb. .07½- —
MA, same basis.....lb. .09¾- —
MB, same basis.....lb. .09¾- —
WS, bgs., same basis....lb. .11¾- —
Manila, Bocas,[1] hard, bold, amber, light, bakts, c.l., same basis..lb. .13½- —
dark, light, same basis..lb. .14½- —
white, same basis.....lb. .15½- —
loba,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .13¾- —
C, same basis.....lb. .13¾- —
CBB, same basis.....lb. .12 - —
CNE, same basis.....lb. .10 - —
D, same basis.....lb. .12¾- —
DBB, same basis.....lb. .11 - —
DK, same basis.....lb. .09½- —
DU, same basis.....lb. .08¾- —
dust, same basis.....lb. .07¾- —
MB, same basis.....lb. .06¼- —
WS, same basis.....lb. .11¾- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis..lb. .15½- —
dust, same basis.....lb. .07¾- —
whse., entry point, c.l., lb. .08¾- —
Philippine,[1] Manila, extra bold, pale, scraped, bakts., same basis..lb. .15 - —
sorts, same basis.....lb. .12¾- —
pale chips, bold, same basis..lb. .13 - —
nubs, WCB, same basis..lb. .13¾- —
seeds, dust, same basis...lb. .06¾- —
SG, same basis.....lb. .10½- —
small chips, same basis..lb. .11¾- —
Pontianak, bold, scraped, bgs., c.l., same basis..lb. .23¾- —
mixed, same basis.....lb. .17¾- —
chips, small, same basis..lb. .12¾- —
cuttings of split, same basis..lb. .19½- —
nubs, same basis.....lb. .18 - —
Gum copal, l.c.l. prices ¼c. to ½c. higher.
Dammar,[1] Batavia, A, cs., c.l., same basis..lb. .35¾- —
A/C, same basis.....lb. .31¼- —
A/D, same basis.....lb. .28¾- —
A/E, same basis.....lb. .25¾- —
B, same basis.....lb. .24½- —
C, same basis.....lb. .28¾- —
D, same basis.....lb. .25¾- —
E, same basis.....lb. .18¾- —
F, same basis.....lb. .13¾- —
dust, same basis.....lb. .13¾- —
Singapore,[1] No. 1, cs., c.l..lb. .30¾- —
2, bgs., same basis.....lb. .25 - —
No. 1, 3 bgs., same basis..lb. .12¾- —
chips, cs., same basis....lb. .23½- —
dust, bgs., same basis....lb. .13 - —
seeds, cs., same basis....lb. .17¾- —
Gum ammar, l.c.l. prices, ¼c. to ½c. higher.
Elemi,[1] cns., c.l., ex dock or port whse. entry port..lb. .09¼- .09¾
Ester, ord., dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid.-Atl. states, N. England states, Minneaoplis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va...lb. .09½- —
other points, dlvd.....lb. .10 - .11
l.c.l., dlvd. Ill., Ind., etc., lb. .09¾- .10
other points, dlvd.....lb. .10¾- .12
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.60 - 1.65
Gamboge, pipe, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .15 - .46
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .18 - —
80%, same basis.....lb. .16 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis....lb. .34 - —
superior, same basis.....lb. .31 - —
higher.
No. 2, extra, same basis....lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .25 - —
x, same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis.lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
Gum, kauri, white, chips, pale, same basis..lb. .20¾- —
extra, same basis.....lb. .25½- —
dust, pale, same basis....lb. .20¾- —
extra, No. 1, same basis..lb. .43 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
superior, No. 1, same basis..lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¾- —
4x, same basis.....lb. .68 - —
5x, same basis.....lb. 1.50 - —
Gum kauri, l.c.l., prices are ½c. to ¾c
Locust bean, powd., bbls...lb. .65 - .70
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .50 - .60
Olibanum, siftings, cs.....lb. .11½- .13
tears, cs.....lb. .18 - .30
Opium (see O).
Red (see Gum, Yacca).
Rosin (see R).
Sandarac,[1] cs.....lb. .09½- —
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 4.50 - 5.00
No. 2, cs.....lb. 4.00 - 4.50
No. 3, cs.....lb. 2.75 - 3.00
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered .....lb. .07¼- —

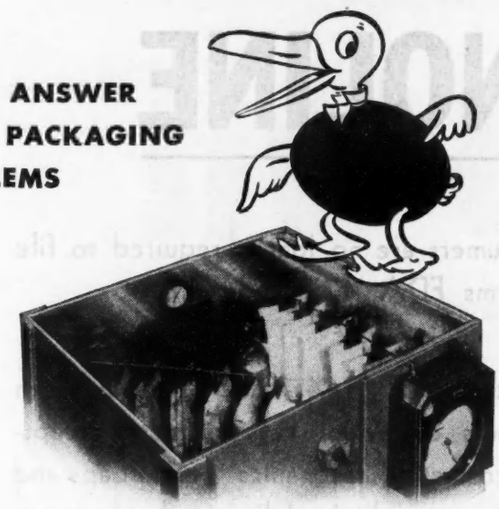
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.28.25 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Gypsum, plaster of paris, paper bgs., c.l., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.. ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.18.00 - —
Medicine Lodge, Kansas, frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.18.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald..ton. 9.00 - —
Saltville, Va.....ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla..ton.12.00 - —

H

Hawthorn berries, bgs.....lb. .75 - .80
Heliotropin, cryst., cns.....lb. 3.75 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. No stocks
Hematine, cryst., bbls., No. 1..lb. .34 - —
No. 2.....lb. .30 - —
No. 3.....lb. .29 - —
No. 4.....lb. .28 - —
No. 5.....lb. .24 - —
Hematine paste, bbls., No. 1...lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract,[2,9] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. .90 -1.00
Henna leaves, bls.....lb. .17 - .18
powd., bbls., bxs.....lb. .22 - .23
Heptane,[1] 56°-100° C., industrial grade, dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10 - —
77°-115°, industrial, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - —
10 gals., Group 3....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[1,9] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots.....lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots.....lb. .36 - —

Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3.....gal. .55 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, bots. oz.37.50 -42.00
Hoofmeal, 17-18% ammon., bulk, Chicago..unit 4.50 - 4.75
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .10¼- .12
Hydrangea root, bls.....lb. No prices
Hydrastine, bots.....oz.20.00 - —
Hydrochloride, bots.....oz.20.00 - —
Sulphate, bots.....oz.20.00 - —
Hydrastinine, 10 grs., bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib., cns., works..lb. .30 - .40
Hydrogen peroxide,[9] USP, bbls., lb. .03¾- .04
100 vols., cbys., E. of Miss. River, West Coast via Panama Canal..lb. .15½- .18½
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 8.50 - 9.00
dms., extra, ret'able, dlvd...lb. 4.50 - —
Hyoscine hydrobromide, bots., oz.50.00 -70.00
Hyoscyamine, bots.....oz.16.00 -20.00
Hydrobromide, bots.....oz.16.00 -20.00
Sulphate, bots.....oz.16.00 -20.00
Hypernic, cryst., bbls., No. 1..lb. .42 - —
No. 2.....lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2.....lb. .16 - —

This "MONSOON IN A CABINET"



HELPS ANSWER YOUR PACKAGING PROBLEMS

You can't afford guesswork in selecting the package for your products. You want the experimenting to be done *before* your products are entrusted to the packages.

And that's exactly the work of the Bemis Shipping Research Laboratory. To test Bemis Waterproof Bags, chemists and research specialists duplicate all varieties of weather conditions—even to a tropical monsoon. They duplicate extremes of shipping conditions, to test for strength. They try the chemical reactions of the commodities to be packaged.

In short, they give the bags "the works." And when our Research Laboratory says a Bemis Waterproof Bag will do your job, you can bank on it.

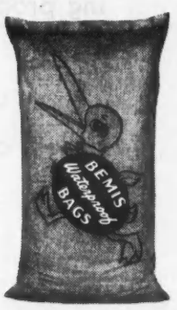
Bemis Waterproof Bags save you money, too. They cost less than other containers giving comparable protection and reduce shipping costs on both empty and filled bags. They speed up filling, closing and handling time and frequently reduce damage claims.

Mail the coupon today for the interesting booklet—"A Guide to More Efficient Shipping." And, if you wish, one of our representatives will, without obligation, call on you to discuss your packing requirements.

A STURDY PROTECTOR

Powdered, granular, crystal or lump form products frequently have a tendency to absorb moisture or odors. And, with ordinary packaging, there's danger of loss from vermin, dirt, contamination or sifting. But when your products are packaged in Bemis Waterproof Bags, they are protected from such dangers.

The tough closely woven outer fabric of Bemis Waterproof Bags is bonded with special adhesives to one or more layers of paper—thus producing the ideal shipping container for your product.



WATERPROOF DEPARTMENT

BEMIS BRO. BAG CO.

ST. LOUIS · BROOKLYN

BEMIS BRO. BAG CO., 408-A Pine St., St. Louis 2, Mo.,
5122 Second Ave., Brooklyn, N. Y.

Please send your special booklet, "A Guide to More Efficient Shipping," and details about use of Bemis Waterproof Bags for _____ (PRODUCT)

Firm Name _____

Street Address _____

City _____ *State* _____

Mark for the attention of _____

I

Icthammol, N. F., bots.....lb. 2.45 -
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.20
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb. 23.00 - 24.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.67 - —
150-lb. kgs., net.....lb. 1.23½- —
resubl., 5-lb. bots., jars.....lb. 2.00 - 2.10
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ipecac* root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 80-90 mesh, bbls...lb. .32 - .33
prime bleached, bls.....lb. .35 - .40
powd. .....lb. .40 - .50
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), tech., anhydr., 200-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. lb. .03½- .04
kgs., works, frt. alld..lb. .04 - .04½
USP X, cryst., lump, bbls..lb. .07½- —
dms. .....lb. .08½- —
solut., NF, cbys., works, frt. alld. or equald..lb. .06½- .07½
djns. .....lb. .10 - —
Citrate, USP VIII, gran., dms., lb. .70 - .75
pewd., cns.....lb. .84 - .87
Glycerophosphate, bbls., 1,000-lb. lots..lb. 3.30 - —
100-lb. lots.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.52 - —
Hypophosphite, bbls., dms...lb. 1.50 - 1.52
Iodide, bots.....lb. 3.18 - 3.32
syrup, bots., cbys.....lb. .39 - .53
Iron naphthenate, 6% Fe, 50-gal. dms..lb. .15 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .33 - .35
powd., cns.....lb. .52 - —
kgs. .....lb. .47 - .49
Oxide, black (see Black, iron oxide).
Phosphate, ferric, NF, gran., cns..lb. .54 - .57
Pyrophosphate, gran., cns...lb. .59 - .62
Reduced, 90%, kgs.....lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms., lb. .17½- —
Sulphate, tech. (see Copperas and Ferric sulphate).
USP, cryst., bbls., dms.....lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .38
scales, dms.....lb. .49 - .52
Oxalate,* bbls.....lb. .23½- —
dms., kgs.....lb. .25½- .26½
Iron-soda oxalate, bbls., dms..lb. .23½- .26½
Isobornyl triocyanoacetate, cbys., dms., extra, works..gal. 4.95 - —
Isobutyl acetate,* dms., works.lb. .0660- —
tanks, works.....lb. .0760- —
Propionate, dms., works.....lb. .102 - —
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate,* dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l., E. of Rockies, frt. alld..lb. .11¼- .12
tanks, E. of Rockies, frt. alld. lb. .10 - —
Alcohol (see Alcohol).
Ether, dms., c.l.....lb. .06 - —
l.c.l. .....lb. .06¼- —
tanks .....lb. .04½- —
Isopropylamine, dms., works...lb .35 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .39 - .40
powd., bbls., bxs.....lb. .46 - .47
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, dom., bgs.....lb. .70 - .85

K

Kamala, tins.....lb. .40 - .45
Kaolin (see China clay)
Kava kava root, bls.....lb. .23 - .24
Kerosene at refinery:—
Ark., 41-43 w.w., bulk, tanks, gal. 04¼- .04¼
Bayonne, 41-43 w.w., tank... gal. .071 - —
Gulf ports, 41-43 w.w., bulk, gal. .04¼- .04½
Okla.-Texas, 42-44 w.w. tanks, gal. .04¾- .04¾
Penn., 43 w.w., tanks....gal. .065 - .0755
46 w.w., tanks.....gal. .0775- .0895
San Francisco, tanks.....gal. .11½- —
Kola nuts, bgs.....lb. .09 - .10

L

Lady slipper root, bls.....lb. 1.55 - 1.70
Lanolin (see Adeps lanae).
Lard,[1,6] pure, ref., trcs.....lb. .1522½- —
Chicago .....lb. .1455- —
Larkspur seed, bgs.....lb. 3.25 - 3.50
Laurel berries, bls.....lb. .25 - .26
Laurel leaves, Cyprus, bls....lb. .25 - .26
Greek, bls.....lb. No stocks
Portuguese, bls.....lb. .17½- .18½
Turkish, bls.....lb. .30 - .31
Lavender flowers, medium, bls.lb. .80 - —
ordinary, bls.....lb. .45 - .50
select, bls.....lb. .90 - .95
Lead,[1,2] (metal) (see paint market).
Acetate,[1] white, broken, bbls.lb. .12½- —
cryst., bbls.....lb. .12½- —
gran., powd., bbls.....lb. .13¼- —
Arsenate,[1,6] paste, standard, cns., c.l..lb. .05¾- .06
l.c.l. .....lb. .06 - .06½
powder, basic, 3-lb. bgs. or larger, c.l..lb. .11½- .12
l.c.l. .....lb. .12 - .12½
1-lb. ctns., c.l.....lb. .18½- .23½
l.c.l. .....lb. .19 - .23
standard, 3-lb. bgs. or larger, c.l..lb. .11 - .11¼
l.c.l. .....lb. .11½- .12
1-lb. bgs., c.l.....lb. .16 - .20
l.c.l. .....lb. .16½- .20½
1-lb. ctns., c.l.....lb. .18 - .23
l.c.l. .....lb. .18½- .23¼
½-lb. ctns., c.l.....lb. .21 - .25
l.c.l. .....lb. .21½- .26½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .07½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07¾- —
l.c.l., dlvd. E.....lb. .07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .08 - —
Carbonate (see Lead, white).
Chloride, fib, dms.....lb. .49 - —
Iodide, NF V, powd., bots..lb. 2.80 - —
jars .....lb. 2.69 - —
Linoleate, pale, precip., bbls. lb. .22½- —
Metallic paste, works.....lb. .19¾- .21½
Naphthenate, 24%-30% Pb 50-gal. dms..lb. .14½- .17½
Nitrate, bbls.....lb. .12½- —
Oleate, bbls.....lb. .17¾- —
Peroxide, powd., tech., bbls..lb. .23 - —
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
other points.....lb. .09 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .09¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10¼- —
Colo., Mont., N. Mex., Wyo..lb. .10 - —
other points.....lb. .09½- —
smaller lots, Ala., etc. lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
97% Pb_3O_4, bbls., c.l., dlvd. Ala., etc..lb. .09½- —
other points.....lb. .09¼- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
smaller lots, dlvd. Ala., lb. .10¾- —
Ariz., etc.....lb. .11 - —
Colo., etc.....lb. .10¾- —
other points.....lb. .10¼- —
98% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .09¾- —
other points.....lb. .09½- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
smaller lots, dlvd. Ala., etc..lb. .10½- —
Ariz., etc.....lb. .11¼- —
Colo, etc.....lb. .11 - —
other points.....lb. .10½- —
in oil, 95% min., kgs.....lb. .14 - —
Resinate, precip., 23.3% Pb., 160-lb. dms..lb. .17½- —
Silicate, bgs.....lb. .0730- .0780
Soyate, 26.15% Pb. 50-gal. dms. lb. .22¼- —
Stearate, bbls.....lb. .31 - .35
Sulphate (see Lead, white, basic sulphate).
Tallate, 10% Pb, 60-gal. dms.. lb. .08¼- —
Titanate, bgs., bbls., c.l., works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .11¼- —
Pac. Cst., ex whse..lb. .11½- —
smaller lots, E. frt. alld. lb. .11¼- —
Pac. Cst., ex whse..lb. .11¾- —
White, basic carbonate, dry, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo..lb. .08½- —
dlvd., other points..lb. .08¼- —
l.c.l., dlvd. Ariz., etc.lb. .08¾- —
other points.....lb. .08½- —
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc..lb. .07½- —
other points.....lb. .07¼- —
l.c.l., dlvd. Ariz., etc..lb. .08 - —
other points.....lb. .07½- —
in oil, consumers, kgs.....lb. .13¼- .18¾
dealers, 100-lb. kg.....lb. .11¼- .11½
painters, 100-lb. kg.....lb. .12¼- .12¾
Lecithin, edible, dms., c.l.....lb. .25¼- —
l.c.l. .....lb. .26½- .45
in cocoa butter, dms., c.l....lb. .39½- —
l.c.l. .....lb. .40¾- .59
pure vegetable, bots., 100-lb. lots..lb. 2.75 - —
tech., dms., c.l.....lb. .25¼- —
l.c.l. .....lb. .26½- .45
Lemon peel, bls.....lb. .35 - .40
Licorice extract, mass, cns....lb. .25 - .72
powd., bbls.....lb. .60 - .88
root, natural, Indian, bls.....lb. .12 - .14
powder, bbls.....lb. .18 - .20
Russian, bls.....lb. .08½- .09
Spanish, bls.....lb. .12 - .13
Lignin extract, tanning grade, bgs., c.l., works..lb. .04 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.—
Adams, Mass.....ton. 8.00 - —
Annville, Pa.....ton. 7.50 - —
Bellefonte, Pa.....ton. 7.50 - —
Berkley, W. Va.....ton. 7.50 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn.....ton. 6.25 - —

LANOLINE

and Woolgrease consumers are no longer required to file for allocation on Forms FDA 477 and 478.

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Effective October 1, 1944, FDO 76 has been amended enabling users of Wool Fat products excepting manufacturers of cosmetics, mechanics' hand soaps and non-military fur dressings, to obtain deliveries by forwarding properly certified orders directly to their supplier.

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Inventories are restricted to one month's supply based on current rate of consumption.

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If we can be of any service in this connection please communicate with us.

ROBINSON WAGNER CO., Inc.

REFINERS OF LANOLINE & WOOLGREASE

110 EAST 42ND STREET, NEW YORK 17, N.Y.

Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.,
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.18.00 - —
Riverton, Va..ton. 7.00 - —
Rippiemead, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Sciote, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 9.00 - —
hydrated, paper bags, f.o.b. Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton. 9.00 - —
Bellefonte, Pa....ton. 9.00 - —
Berkley, W. Va....ton. 9.00 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 9.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 9.00 - —
Hannibal, Mo.....ton. 9.00 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D..ton.12.00 - —
Rippiemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 9.00 - —
York, Pa.....ton. 9.00 - —
spray, paper bgs., f.o.b. Adams, Mass..ton. 9.50 - —
Annville, Pa.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.50 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 9.00 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.50 - —

Lime salts (see Calcium).
Lime-ammonia-nitrogen,[6] 20.5% N, bgs., Hopewell, Va..ton.32.50 - —
Linalool, cns.....lb. 6.75 - 7.00
Linalyl acetate, cns.....lb. 3.25 - 8.75
Linden flowers with leaves, bls.. lb. .95 - 1.00
Linseed meal,[1] 34%, bulk, c.l.ton.45.00 - —
32%, bulk, c.l.....ton.43.00 - —
Litharge, com'l powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore., and Wash..lb. .08¼-
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
Other points.....lb. .08½- —
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
Other points.....lb. .09 - —
Lithium bromide, bbls., 100 lbs., works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Carbonate, NF, 250-lb. bbls., kgs..lb. 1.25 - 1.30
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs.....lb. 1.40 - 1.45
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, jars.....lb. 1.25 - 1.40
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Stearate, fib. dms., 8 tons, works..lb. .50 - —
Lithopone,[1] ordinary, bgs. (20 tons)..lb. .04¼- —
smaller lots.....lb. .04½- —
bbls., c.l. (20 tons).....lb. .04½- —
smaller lots.....lb. .04¾- —
titanate,[6] (high-strength), bgs., c.l..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls.....lb. .95 - 1.00
Lobelia herb, bls.....lb. 1.00 - 1.05
Lobeline sulphate, bots., wks..oz.25.50 -38.00
Logwood, cryst., No. 1, bbls...lb. .28 - —
No. 2, bbls.....lb. .26 - —
extract, liquid, No. 1, bbls..lb. .14 - —
No. 2, bbls.....lb. .13 - —
No. 3, bbls.....lb. .12½- —
No. 4, bbls.....lb. .10 - —
solid, No. 1, bxs.....lb. .23½- —
No. 2, bxs.....lb. .21½- —
Lovage (ligusticum actae folium) root, dom., bls..lb. 1.20 - 1.50
Lupulin, NF, tins.....lb. 7.00 -10.00
Lycopodium, USP, cs.....lb. 2.75 - 3.00

M

Mace,[1] Amboyna, cs.....lb. .77 - .78
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .62 - .63
broken, bgs.....lb. .55 - .56
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1,6] dms....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Magnesia carbonate, USP, Zone 2, c.l., bgs..lb. .06¼- —
bbls.....lb. .06½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¼- —
bbls.....lb. .09¼- —
kgs.....lb. .10¼- —

Magnesia carbonate:—Zone 1—Conn., Del., D. of C., Md., Mass., N. J., N. Y., Pa. and R. I. Zone 2—Balance of U. S. Frt. alld. Phillipsburg, Plymouth Meeting and Valley Forge. Freight allowed on l.c.l. incl., dlvd. storedoor.

Chloride, anhyd., bbls., dlvd..lb. .12¾- —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .40 - .50
Hydroxide, med., bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, bbls.....lb. .31 - .32
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots, dms.....lb. .42 - —
Magnesite, cal., powd., bags, f.o.b. mines, Calif..ton.58.75 - —
dead-burnt[1] bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -32.00
Maleic anhydride,[6] drs., c.l....lb. .25 - —
l.c.l.....lb. .26 - —
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. No stocks
Leaves, bls.....lb. .40 - .55
Manaca root, bls.....lb. .24 - .25
Mandrake root, bls.....lb. .23 - .25
Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs.....lb. .12 - .12¾
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls.....lb. .15 - .18
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works ton.74.00 - —
5-15 tons, works..ton.77.00 - —
smaller lots, works..ton.82.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works..ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works. ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots, works..ton.79.75 - —
85-90%, paper bgs., c.l., works..ton.70.00 - —
l.c.l., 5 tons, works..ton.73.00 - —
Glycerophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Naphthenate, 6% Mn, 50-gal. dms..gal. .16 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Soyate, 8.2% Mn, 50-gal. dms.. lb. .22 - —
Sulphate, anhyd., dms., works. lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .06
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd. East..ton.59.50 - —
l.c.l., bgs., same basis or f.o.b. Balte. and Cincinnati..ton.68.50 - —
industrial grade, 80%, $MnSO_4$, bgs..lb. .05 - .05¼
Tallate, 4% Mn, 50-gal. dms.lb. .09 - —
Mangrove bark, E. Afr., if and when available, bgs., based on freight $18, insurance $1 per ton. Any difference for buyers' account.....ton.70.00 - —
Manna flake, cs.....lb. No stocks
Mannitol,[6] com'l grade, bbls., works..lb. .35 - .40
reagent grade, 50-lb. cs. or multiples, works..lb. .85 - —
Manure, sheep, bgs., c.l., Midwest shipping points..ton.14.50 -20.00
kiln-dried, bgs., c.l., f.o.b. Chicago..ton.17.50 -25.00
Marjoram, Argentine, bls.....lb. .29 - .30
California, French type, bls., f.o.b. Pacific Coast..lb. .45 - .47
Chilean, bls.....lb. .28 - .29
Matico leaves, bls.....lb. .22 - .29
Menthol, tech., synth., cns....lb. 5.00 - 6.00
USP, natural, cns.....lb.15.50 -16.75
synth., cns.....lb.13.00 - —
racemic, cns.....lb. 8.60 - 9.15
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10% tubs..lb. .70 - .72
30%, pails.....lb. 1.19 - 1.21
50.% pails.....lb. 1.54 - 1.56
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride[3] (see Corrosive sublimate).
Bisulphate,[3] dms.....lb. 2.15 - 2.17
Chloride,[3] (see Calomel).
Cyanide,[3] cryst., powd.....lb. 3.34 - —
Iodide,[3] red, NF, dms., kgs.lb. 3.90 - —
yellow, fib. dms., kgs.....lb. 4.00 - —
Nitrate ointment (see Citrine ointment).
Oxide,[3] NF (see Red precipitate), tech. (see Red, mercury oxide) yellow, NF VI, fib. dms..lb. 2.34 - 2.36
yellow, NF (see Red, precipitate), tech. (see Yellow, mercury oxide).
Mercury and chalk,[3] 5-lb. ctns.lb. 1.49 - 1.54
dms.....lb. 1.42 - 1.44

TIO OIL TIO OIL TIO OIL

Mesityl oxide, dms., c.l., divd..lb. .11½- —
l.c.l., divd.....lb. .12 - —
tanks .....lb. .10½- —

Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 2⅜x3⅜ in. pkg.15.00 - —
Silver, 2⅜x3⅜ in.....pkg. 3.00 - —

Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatolylenediamine, kgs.....lb. .70 - —
Methanol,[1,5] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - .66
l.c.l., same basis.....gal. .73 - .76
tanks, same basis.....gal. .60 - —

Inside prices on natural methanol are drums extra; outside drums included. Prices W. of Miss. R. 3c. higher.

synthetic,[3,6] dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or divd...gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. 38 - —
l.c.l., Zone 1, frt. alld. or divd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, divd. S. F. and L. A., gal. .41 - —
4, frt. alld. or divd...gal. .51½- —
tanks, Zone 1, frt. alld...gal. .34 - —
2, frt. alld.....gal. .37 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in Zone 4 have the option of buying at the delivered Zone 4 price or at the Zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, dms., c.l., divd. lb. .0722- —
l.c.l., 10-dm. lots, divd...lb. .0847- —
single dms., divd.....lb. .0947- —
smaller cont., divd.....lb. .1447- —
hydrogenated, dms., c.l., divd. lb. .1122- —
l.c.l., 10-dm. lots, divd...lb. .1247- —
single dms., divd.....lb. .1347- —
smaller cont., divd.....lb. .1847- —

Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .13
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10¼
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..gal. .29½- —
Acetone, natural, Group A, dms., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis.....gal. .76 - —
tanks, same basis.....gal. .60 - —
Natural methyl acetone quoted dms., included by Group A. Prices W. of Miss. R., 3c. per gal. higher.
A, Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis. gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —

Methyl acetone, tanks, Zone 1, same basis..gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .84½- —

Natural methyl acetone quoted drums extra by Group B. Sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. Dak., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; Zone 4, Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1, gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 4.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, 100-lb. lots....lb. 2.20 - 2.50
25-lb. lots, bots.....lb. 2.35 - 2.65

Methyl benzoate,[8] ctns.....lb. .70 - 1.10
Bromide, cns.....lb. .75 - .80
cyls. .....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
50 to 400 lbs., cyl. mach. mfrs. and jobbers..lb. .36 - —
service men and consumers. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers. lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point. Prices above are in 20, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders, uniformly 10c. per pound higher.

Cinnamate, cns.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., c.l., divd.....lb. No stocks
Iodide, bots.....lb. 4.00 - 4.15
Salicylate,[1] 500-lb. dms.....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, dms., cns., works..lb. .25 - .28
Methylcellulose, specl., vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld.lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
100 to 1,999 lbs., frt. alld. lb. .58 - —
1 to 99 lbs., works.....lb. .63 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, medicinal, kgs. 100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .23
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone,[4] dms., E. of Rocky Mts..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
tanks, same basis.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone,[6] dms., c.l., divd..lb. .12½- —
l.c.l., divd.....lb. .13 - —
tanks, divd.....lb. .11½- —
Methylnaphthyl ketone, cryst., cns..lb. 3.00 - 3.10
Methylpentanediol, com'l, dms., l.c.l., works..lb. .20 - —
Mica, dry grd.,[1] roofing, white, 20 mesh, bgs., c.l., f.o.b. works..ton.27.50 - —
l.c.l. .....ton.32.50 - —
30-31 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
40-45 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
80 mesh, bgs., c.l.....ton.35.00 - —
l.c.l. .....ton.38.00 - —
paint, plastic, 100 mesh, c.l., bgs..ton.40.00 - —
l.c.l. .....ton.43.50 - —
wet-grd.,[1] biotite, c.l., bgs..lb. .03¾- —
l.c.l. .....lb. .04½- —
1,000 mesh, bgs., c.l.....lb. .03¾- —
l.c.l. .....alb. .04½- —
white, 1,000 mesh, bgs., c.l.. lb. .05¾- —
l.c.l. .....lb. .06½- —
paint or lacq., c.l., bgs....lb. .04¾- —
l.c.l. .....lb. .05½- —
paper, bgs., c.l.....lb. .04¾- —
l.c.l. .....lb. .05½- —
rubber, c.l., bgs.....lb. .04½- —
l.c.l. .....lb. .05 - —
wallpaper, bgs., c.l.....lb. .04¾- —
l.c.l. .....lb. .05¼- —

Mica, dry grd., quoted works; wet grd. and 1,000-mesh mica in carload lots is frt. alld. E.; less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher W. of Miss. R. and 1c. per lb. higher W. of Rockies.

Milk powder, skimmed,[1] roller, bulk, Zone A, bbls..lb. .12½- —
Zone B.....lb. .12¾- —
spray, bbls., bulk, Zone A..lb. .14½- —
Zone B.....lb. .14¾- —

Milk powder Zones are:—Zone A, all States not included in Zone B. Zone B, Conn., Del., D. C., Mass., Md., Me., N. J., N. H., N. Y., Pa., R. I. and Vt.

whole, roller, bbls.....lb. .35 - —
spray, bbls.....lb. .36 - —
Sugar,[1] bbls., c.l., works....lb. .26 - —
l.c.l., works.....lb. .26¾- .27½
Mineral spirits (see Petroleum, mineral spirits)
Molasses,[1,5] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2, same basis...gal. .18½- —
Area 3, same basis....ton.26.00 - —
Area 4, same basis....ton.29.00 - —
Area 5, same basis....ton.34.60 - —

Note—Area No. 1, Fla., Ga., La., Tex., Area No. 2, Mass., Md., N. J., N. Y.; Area No. 3, Calif.; Area No. 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area No. 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[5] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., works.....lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monochlorobenzene, dms., c.l..lb. .05½- —
l.c.l. .....lb. .07 - .09
Monoethanolamine,[5] dms., c.l., frt. alld. in E..lb. .24½- —
l.c.l., dms., same basis.....lb. .25½- —
tanks, same basis.....lb. .23½- —
Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monoethylanilin, dms.....lb. .47 - —
Monomethyl para-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monomethylamine, dms.....lb. .65 - —
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .12 - .13
Mullein leaves, cns.....lb. .75 - —
Musk, nat., Tonquin, grains, bots. oz.40.00 -45.00
synth., ambretta, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45

with **SPEED**

the **KEYNOTE**

Harshaw driers are consistently uniform

LIQUID DRIERS
Uversol Liquids
Linoresinate Liquids
Linoleate Liquids
Lithos
Pastes

SOLID DRIERS
Uversol Solids
Linoresinate Solids
Linoleate Solids
Soyate Solids
Fused Resinates

POWDERED DRIERS
Precipitated Resinates
Drying Salts:
Cobalt
Lead
Manganese
Zinc

Expecting uniform quality in each re-order of Harshaw Driers has become a "habit" with Harshaw customers, just as checking each lot against standard specifications has become a "habit" in our quality control operation . . . specifically as to metal content, viscosity, color and stability. Inspection begins with the raw materials and continues through each operation, step by step, until the Drier is ready for shipment. Choose a Harshaw Drier . . . liquid, solid or powdered . . . to fit your production facilities . . . stir it in, cook it in or grind it in.

Place your order—confident of the uniform quality of Harshaw Driers.

Drier Slide Rules and Booklets entitled "Helpful Data about the Full Line of Harshaw Driers" are still available. Write for this time-saving combination. There is no charge.

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1945 East 97th Street, Cleveland 6, Ohio
BRANCHES IN PRINCIPAL CITIES

Musk, synth., ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more. lb. 1.40 - 2.05
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Musk root, bls.....lb. 2.25 - 2.80
Mustard seed, Calif., brown, bgs. lb. .16 - .16½
Montana, yellow, bgs.....lb. .12 - .12½
Washington, yellow, bgs.....lb. .12 - .12½
Myrobalans,[6] J1, whole, bgs., frt. guar., insurance, $1. Any difference for buyers' account. ton.70.00 - —
crushed, same basis.....ton.75.00 - —
J2, whole, bgs., same basis... ton.59.00 - —

N

Naphtha, painters (see Petroleum naphtha, Y. M. & P.).
Solvent (see S).
Naphthalene,[2,6] crude, dom., 76°, bgs., c.l., frt. equald..lb. .08 - —
bbls., c.l., same basis...lb. .081 - —
tanks, same basis.....lb. .0275- —
78°, bgs., c.l., same basis, lb. .0625- —
bbls., c.l., same basis...lb. .0635- —
tanks, same basis.....lb .08 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .0854- —
1-lb. pkgs., same basis...lb. .0954- —
Neocinchophen, USP, dms.....lb. 7.50 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N.Y..ton.15.50 - —
Nepheline syenite in bgs. is priced $3 per ton above the bulk quotations.
Nerolin, cryst., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,[4,5] carbonate, bbls.....lb. .36 - .36½
Chloride,[5] obls.....lb. .18 - .20
Cyanide,[5] bots., dms.....lb. No stocks
Oxide,[4,5] black, bbls.....lb. .35 - .38
Salt,[4,5] bbls.....lb. .18 - .18½
Nicotine, sulphate, 40%, dms., 50 lbs..lb. .8660- —
tins, 10 lbs.....lb. 1.015- —
Nicotinamide,[6] dms.....kilo.13.25 -13.55
Nikethamide, bots., cbys.....lb.17.00 -18.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .06 - —
l.c.l. .....lb .09 - —
tanks .....lb. .07 - —
Nitrocelluloses, alcohol-soluble, ¼ sec., 30-35 cps., bbls., dry weight, l.c.l., works. lb. .26 - —
5-7, 40-60 cps., same basis, lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works..lb. .26 - —
5-7, 15-20 cps. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —
Nitrocellulose:—Denatured alcohol A used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., l.c.l., wks..lb. .25 - —
Nitrogen, solut.,[6] tanks...ton N.108.21 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va.
Nitrogenous process tankage,[1] bulk, works.....unit-ton. 3.15 - 3.50
sewage sludge,[1] bulk, works, unit-ton. 2.60 + .40- 3.00 + .40
Nitromethane, dms., l.c.l., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .26
Nitropropane 1, dms., works..lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. .44 - .45
Chinese, bgs.....lb. .39 - .40
Nutmegs,[1] E. I., grinding, bgs., lb. .45 - .46
100's, bgs.....lb. .47 - .48
West Indian, No. 1, bgs.....lb. .34 - .34½
Nux vomica, o/s.....lb. .09 - .11
powder, bbls., bxs.....lb. .12 - .13

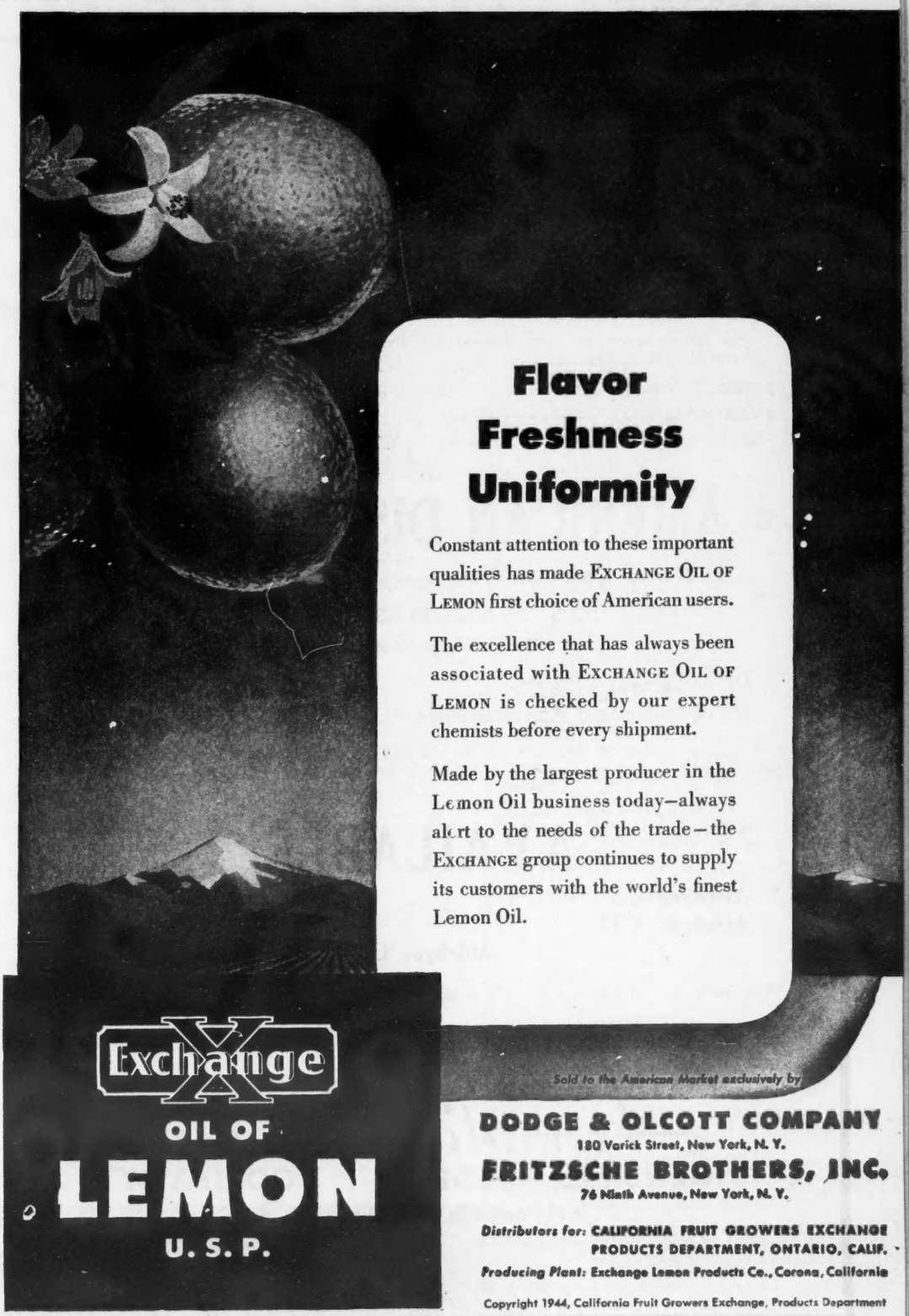
O

Oakbark extract,[1,6] 25% tan., bbls., c.l., works..lb. No stocks
Octane,[1] 100-140° C., industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G.3.....gal. .20 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal,[6] tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artl. (see Benzaldehyde).
bitter, F.P.A.....lb. 4.50 Nom.
natural, USP, bots.....lb. Nominal
sweet, exp., dms., cns.....lb. 1.50 - 1.60
Angelica root, bots.....lb.140.00-150.00
Seed, bots.....lb. No stocks
Aniiin (see A).
Anise, USP, cns., dms.....lb. No stocks
Apricot kernel, cns.....lb. .45 - .55
Avocado, cns., dms.....lb. 1.05 - 1.25
Babassu,[1,6] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.45 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.55 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 9.85
natural, Italian, coppers...lb. 6.50 - 7.00
Brazilian, cns.....lb.10.00 -10.25
Birch (see Oil, sweet birch).
Birchtar, crude.....lb. No stocks
rectified, cns.....lb. No stocks
Bois de Rose, Brazil, cns....lb. 4.50 - 4.75
Mexican (see lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech, dms.....lb. 1.90 - 2.00
redistilled, USP X, cns....lb. 2.30 - 2.50
Calamus, cns.....lb.22.50 -25.00
Camphor, sassafrassy, cns..lb. No stocks
white, cns.....lb. No stocks
Cananga, native, cns.....lb.11.75 -12.00
rectified, cns.....lb.13.25 -14.00
Capsicum (oleoresin), USP VII, cns..lb. 4.50 - 4.65
Caraway, USP, cns.....lb.17.00 -20.00
Cardamom, bots.....lb.19.00 -21.00
Cassia, USP, cns.....lb.12.00 Nom.
Castor,[1] blown, dms., returnable, c.l..lb. .15½- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls.,c.l.lb. .14 - —
cns. .....lb. .15½- .17½
dms., returnable, c.l....lb. .13½- —
l.c.l. .....lb. .14½- —
tanks .....lb. .13 - —
dehyd., bodied, dms., c.l....lb. .1790- —
l.c.l. .....lb. .1830- —
tanks .....lb. .1750- —
unbodied, dms., c.l. ....lb. .1690 - —
tanks .....lb. .1650- —
No. 3, tech., bbls., c.l.....lb. .13½- —
l.c.l. .....lb. .14½- —
dms., returnable, c.l....lb. .13½- —
l.c.l. .....lb. .14½- —
tanks .....lb. .12½- —

Oil, castor, sulphonated, 50% (48% fat), dms., c.l..lb. .10 - —
l.c.l. .....lb. .11 - —
75% (69% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13½- —
80% (69% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13½- —
Cedarleaf,[1] cns., dms.....lb. 2.65 - 2.85
Cedarwood, dms.....lb. 1.00 - 1.25
Celery, bots.....lb.19.00 -22.00
Chaulmoogra, USP, cns.....lb. .70 - .75
Chinawood, (see Oil, tung).
Cinnamon bark oil, bots.....lb.36.00 -40.00
leaf oil, dms.....lb. 1.50 - 1.85
Citronella, Ceylon, cns.....lb. .95 - 1.00
Java, cns.....lb. No stocks
Clove, USP, cns.....lb. 1.75 - 1.80
Coconut,[1,6] Manila, crude, bulk, c.l.f., N. Y...lb. .0635- —
ret. dms.....lb. .0685- .0685
edible, ex tax, dms.....lb. .0685-
Cod, Newfoundland, dms...gal. .85 - .88
tankcar .....gal. .83 - —
Codliver,[6] med., USP, bbls., dms..gal. 2.30 - 2.40
Coriander, bots.....lb.26.00 -35.00
Corn,[1,6] crude, tanks, works..lb. .12¾- —
edible, dms., l.c.l.....lb. .16¾- .16½
tanks .....lb. .1502- —
foots, acid 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .03½- —
Cottonseed,[1,6] cooking, l.c.l., ret. dms..lb. .16¼- —
foots, acid, 95%, tankcar, dlvd. E..lb. .07⅝- —
raw, 50%, tankcar, dlvd. E., lb. .03⅝- —
salad, l.c.l., ret. dms.....lb. .16¼- —
Creosote (see C).
Croton, NF, cns.....lb. 3.00 - 4.00
Cubeb, USP, cns.....lb. No prices.
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -10.00

Oil, cypress, bots.....lb.12.60 - —
Degras (see D).
Dillseed, bots.....lb.10.00 Nom.
weed, bots.....lb. 4.75 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, cns.....lb. 1.10 - 1.20
Fennel, sweet, cns.....lb. 4.50 Nom.
Fir, Canada, cns.....lb. 2.00 - 2.75
Fishliver,[1,6] dms., less than 40,000 A units per gram..... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram, per million units. .001 - —
200,000 or more A units..... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, cns.....lb.12.00 -13.00
Bourbon, cns. .....lb.11.00 -12.00
Russian, cns.....lb.15.50 - —
Turkish (see Oil, palmarosa).
Grapefruit, cns.....lb. 2.00 - 2.10
Ginger, dist., bots.....lb.20.00 -22.50
Hemlock, cns.....lb. 2.65 - 2.54
Juniper berry, cns.....lb.15.00 -16.00
wood, tech., cns.....lb. 1.00 - 1.25
Juniper tar, USP, dms.....lb. .90 - 1.00
Lard,[6] common, 1 bbl.....lb. .14 - —
extra, No. 1, bbls.....lb. .14½- —
Winter, strained, bbls....lb. .15 - —
prime, burning, bbls.....lb. .16 - —
lined, bbls. .....lb. .15½- —
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 8.00 - —
Lavender flower, French, cns., lb. 8.50 -16.00
Russian, cns. .....lb.11.00 -11.50
garden, cns .....lb. .55 - .75
spike, Spanish, pure, cns...lb. 3.50 - 4.00
tech., cns.....lb. 2.75 - 3.00
Lemon, Calif., cns.....lb. 3.25 - —
Messina, cns.....lb. 3.25 - —
Terpeneless .....lb.25.00 -50.00

Oil, Lemongrass, cns., dms...lb. 1.50 - 1.60
Lignaloe wood, Brazilian (see Bois de Rose).
Mexican, seed, cns.....lb. No stocks.
wood, cns.....lb. 3.20 - 3.25
Lime, dist., Jamaica, cns....lb. 6.50 - 7.50
Mexican, cns. .....lb. 6.00 - 6.50
expressed, Jamaica, cns...lb.11.00 -12.50
Linseed, raw, dms., c.l.....lb. .1550- .1560
l.c.l. .....lb. .1600- .1660
tankcar .....lb. .1470- —
tankwagon .....lb. .1470- —
Boiled linseed oil, .004 over raw.
Linseed replacem't, dms.....lb. .1310- .1310
tankcar .....lb. .1270- .1470
Lubricating,[1] at refinery, extax, California, neutrals, pale, 200-800 vis., 2¾-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-8½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks..gal. .25 - —
300 vis., No. 3 col., 0-10 pour, tanks..gal. .14½- .18
200-260 vis., No. 3 col., 15-25 pour, tanks..gal. .15 - .17½
140-150 vis., No. 8 color, 10-25 pour, tanks..gal. .24 - .30
cylinder oils, 600-650 flash, tanks..gal. .16 - .17
600-650 steam ref'd, tanks..gal. .15 - .15½
neutral, 70° F., No. 2 color, 150 vis., 0-25 pour, tanks..gal. .29 - .31
200 vis., 0-25 pour, tanks..gal. .31 - .32
Mace, dist., cns., dms.....lb. 5.00 - 5.25
Mandarin, Brazilian, cns....lb. 8.75 - 9.00
Italian, coppers.....lb. No stocks



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Oil, Menhaden,[1,6] crude, tanks, Balto..lb. .0825- .0890
light-pressed, ret. dms....lb. .1160- .1180
tanks .....lb. .1080- —
ref'd, alkali, ret. dms....lb. .1260- .1280
kettle-boiled, ret. dms....lb. .1360- .1380
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. No stocks
Mustard seed,[6] exp., dms....lb. .14¾- —
Neatsfoot, 15°, c.l., bbls....gal. 1.90 - —
20°, c.l., bbls.....gal. 1.80 - —
30°, c.l., bbls.....gal. 1.60 - —
pure, bbls. .....lb. .18¼ Nom.
Neroli, bots.....lb.220.00 -275.00
Nutmeg, dist., cns., dms.....lb. 5.00 - 5.25
Oiticica,[1] liquid, dms.....lb. .20 - .20¼
tankcars .....lb. .19½- —
Oleo,[6] 1, bbls.....lb. .13¾ Nom
Olibaum, bots. .....lb. 5.00 -
Olive, denat., dms.....gal. No stocks
edible,[4] Calif., ¼%-3% f.f.a., dms..gal. 4.30 - 4.80
imported, dms.....gal. No stocks.
foots, dms. .....lb. No stocks.
sulphonated, 50% (40% fat), dms., c.l..lb. No prices.
l.c.l. .....lb. No prices.
80% (68% fat), dms., c.l..lb. No prices.
l.c.l. .....lb. No prices.
85% (68% fat), dms., c.l..lb. No prices.
l.c.l. .....lb. No prices.
Orange, sweet, dist., cs.....lb. 1.00 - —
expressed, Brazilian, cns.lb. 1.10 - 1.15
Calif., cns.....lb. 1.45 - 1.75
Florida, cns., dms.....lb. 1.10 - 1.20
Messina, USP, coppers.lb. No stocks.
West Indian, cns.....lb. 3.75 - 4.00
sequiterpeneless, bots.....lb.97.00 -100.00
Origanum, Spanish, cs.....lb. 2.40 - 2.75
Palm,[1,6] Niger, dms.....lb. .0865- —
Palmarosa, cns.....lb. 5.50 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S..gal. .05¾- —
320° flash, 60-70 vis., tanks, same basis..lb. .05¼- —

Oil, paraffin, 350° flash, 70-80 @ 100 vis., 0/10 pour..gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, Ind.refy..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .08¼- —
10/25 pour, same basis.gal. .08¾- —
350° flash, 100-105 vis., 0/10 pour, same basis..gal. .14 - —
Patchouli, cns.....lb.20.00 Nom.
Peanut,[1,6] crude, tanks, mill. lb. .12 - —
bichd., deod., tankcar.....lb. .1501- —
hydrogenated, tanks.....lb. .1573- .1578
foots, acid, 95%, tanks, dlvd. E..lb. .06 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
Pennyroyal, dms., cns.....lb. 4.10 - 4.25
import. cns. .....lb No prices
Peppermint, natural, dms....lb. 7.50 - —
redist., USP, dms.....lb. 8.00 - —
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms. lb. 1.60 - 1.70
Pimento, berry, dms.....lb. 6.90 - 7.00
Leaf, cns.....lb. 4.50 - 4.75
Pine,[1,6] ret., dms., c.l., dlvd. E. gal. .63 - .63½
l.c.l., ret., dms., dlvd. E. gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns. .....lb. 3.25 - 3.50
Putty,[2] bbls., E. Segundo, Richmond, Cal..gal. .22¼- —
contracts .....gal. .19½- —
dms., c.l., Whiting, Ind..gal. .25 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal. .....gal. .28 - —

* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1,6] bulk, New Orleans, lb. .1156½- —

Oil, red,[6] dist. dms., dlvd.....lb. .12¾- .13¾
tanks, dlvd.....lb. .12 -
double dist., ret. dms.....lb. .15¼- .16¼
Saponified, same prices.
Rose, natural, coppers.....oz.30.00 -40.00
Rosemary, Spanish, cns., dms., lb. 1.70 - 2.10
Rosin, 1st rectified, dms....gal. .66 - —
2d rectified, dms.....gal. .68 - —
3d rectified, dms.....gal. .72 - —
Rue, bots.....lb. 8.25 Nom.
Sage, Spanish, cns.....lb. 3.00 - 5.00
Sandalwood, NF, dist., cns..lb. 6.75 - —
Mysore, cns., case lots..lb. 7.00 - 7.25
Sardine, crude,[1,5] tanks, Pac. Coast..lb. .0825- .0890
light-pressed, ret. dms....lb. .1160- —
tanks .....lb. .1080- —
ref'd alkali, ret. dms....lb. .1260- —
kettle-boiled, ret. dms....lb. .1360- —
Sassafras, artif., cns.....lb. 1.05 - 1.40
natural, cns., dms.....lb. 1.80 - 2.00
Savin, cns. .....lb. No stocks
Savory, cns. .....lb. 8.00 - —
Sesame,[1,6] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snake root, Canada, cns.....lb. No stocks
Soybean,[1,6] crude, tanks, Decatur..lb. .1175- —
clarif., dms.....lb. .1290- .1385
tanks .....lb. .1250- —
deod., Winter, tankcar....lb. .1393- —
ret. dms.....lb. .1500- .1540
foots, acid, 95%, tanks, dlvd. E..lb. .07½- —
raw, 50%, tanks, dvld. E..lb. .05¾- —
refd., varnish, dms.....lb. .1386- .1408
tanks .....lb. .1340- .1347
Spearmint, dms.....lb. 4.00 Nom
Sperm,[6] bleach, 38°, dms....lb. .1443- —
natural, 45°, dms.....lb. .1310- —
Spruce,[1] cns., dms.....lb. 2.65 - 2.80
Sunflower, refined,[6] tanks...lb. .1468- —
semi-refined, tanks.....lb. .1430- —

Oil, sweet birch, North, cns..lb. 4.00 - 5.00
South, cns. .....lb. 2.50 - 3.00
Tall, crude, dms., c.l., works. ton.53.65 -55.00
l.c.l., works.....ton.58.65 -60.65
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works.....lb. .04¼- —
Tallow,[6] acidless, bbls.....lb. .14¼- —
tanks .....lb. .13¾- —
Tansy, cns. .....lb. No stocks
Tar,[1] pine, dms., c.l., dlvd. E. cities..gal. .32¾- —
l.c.l., f.o.b. works....gal. .29¾- —
tanks, dlvd. E. cities....gal. .27 - —
rect., USP, bbls.....gal. .60¼- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 2.50 - 3.50
white, cns. .....lb. 2.65 - 4.00
Tung,[1,6] dms. .....lb. .39½- .40
tanks .....lb. .38¾- —
Turkey red (see Castor, sulphorated).
Turpentine (see T).
Vetiver, Bourbon, bots.....lb.30.00 -35.00
Whale,[6] ref., natural, dms..lb. .1187 Nom.
winter, bleach, dms.....lb. .1232 Nom.
Wheat germ, dms.....gal.10.00 -12.50
White mineral, tech., 50-60 vis., dms., c.l..gal. .38 - —
l.c.l. .....gal. .42 - .45
65/75 vis., c.l.....gal. .36 - —
l.c.l. .....gal. .42 - .45
USP, 80/90 vis., dms., dm. charges not included, c.l..gal. .39 - —
l.c.l. .....gal. .45 - .48
95/105 vis., dms., c.l..gal. .44½- —
l.c.l. .....gal. .50½- .53¾
125/135 vis. dms., c.l...gal. .49 - —
l.c.l. .....gal. .55 - .58
145/155 vis., dms., c.l...gal. .54 - —
l.c.l. .....gal. .57 - .60
175/185 vis., c.l.....gal. .54½- —
l.c.l. .....gal. .60½- .63¾
200/210 vis., c.l.....gal. .58 - —
l.c.l. .....gal. .64 - .67
320/330 vis., c.l.....gal. .65 - —
l.c.l. .....gal. .71 - .74
335/345 vis., c.l.....gal. .66 - —
l.c.l. .....gal. .72 - .75
San Francisco, 55, 70 and 85 vis., ret. iron dms., 65 dms..gal. .40 - —
64-1 dms.....gal. .42 - .45
100 vis., 65 dms.....gal. .49½- —
64-1 dms.....gal. .51¾- .54¼
145 vis., 65 dms.....gal. .57 - —
64-1 dms.....gal. .59 - .62
180 vis., 65 dms.....gal. .60½- —
64-1 dms.....gal. .62¾- .65¼
340 vis., 65 dms.....gal. .72 - —
64-1 dms.....gal. .74 - .77
Wintergreen, nat., North, cns. lb. 6.50 - 8.50
South, cns. .....lb. 4.00 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed,[1] cns. .....lb. 5.00 - 5.15
Ylang-ylang, Bourbon, bots..lb. 9.50 -10.00
Oleostearin,[1] bbls.....lb. .1054- —
Olivine, aggregate, c.l., mines, ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, same basis.....ton. 7.00 - —
balls, same basis.....ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots..lb.13.00 - —
25-lb. lots .....lb.13.25 - —
smaller lots .....lb.13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, dinitroanilin toner,[1]..lb. 1.05 - —
Lake, Persian,[1] bbls.....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .12¾- —
Colo., Mont., N. M., Wyo..lb. .12½- —
other points .....lb. .12 - —
smaller lots, dlvd. Ala., etc..lb. .12¾- —
Ariz., etc. .....lb. .13¼- —
Colo., Mont., N. M., Wyo..lb. .13 - —
Other points.....lb. .12¼- —
Molybdate,[1,6] bbls.....lb. .41 - —
Orthonitroanilin toner,[1] kgs., works..lb. .80 - —
bbls. .....lb. .80 - 1.05
Orange peel, bitter, Haitian, bgs., lb. .11 - .11¼
sweet, bls.....lb. .16 - .20
Oregano, Mexican, curly leaf, bgs....lb. .09½- .10
flat leaf, bgs.....lb. .09 - .09½
Orris root, African, bls.....lb. .85 - .90
powd., bbls., bxs.....lb. .90 - .95
Portuguese, bls.....lb. .75 - .80
Verona, bls. .....lb. 1.25 - 1.30
Orthoamylphenol, dms., works.lb. .25 - —
Orthoanisidin, bbls. .....lb. .70 - —
Orthochloroanilin, dms .....lb. .60 - .70
Orthochlorophenol, dms.....lb. .25 - .27
Orthocresol,[3,6] 30.4°C. Min. M.P., dms., c.l., works..lb. .17¼- .18
l.c.l., same basis.....lb. .18 - .18½
29.0°C. Min. M.P., dms., c.l., works..lb. .16½- .17
l.c.l., same basis.....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies, lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher
Orthonitroanilin, dms.....lb. .43 - .55
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms. .....lb. .09 - —
Orthophenetidin, dms. .....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bbls....lb. .25 - —
extract, No. 1, bbls.....lb. .11 - —
No. 2, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 10¢ lbs., works..lb. 3.50 - —
smaller lots .....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 2.15 - 2.25
Papaverine natural, synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.35
sulphate, cns. .....oz. 7.10 - 7.35
Paprika,[1] Chilean, good, bgs..lb. .30 - .31
Portuguese, choice, bgs.....lb. .40 - .41
extra fancy, bgs.....lb. .39 - .40
good, bgs.....lb. .37 - .38
Spanish, fancy, bgs.....lb. .48½- .49
good, bgs.....lb. .45 - .46
fair, bgs.....lb. .41 - .43
Para-antialdin, dms. works ..lb. .75 - —
Parachlorophenol, dms., wks..lb. .32 - —
Paracresol,[6] bbls., wks.....lb. .41 - —

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Oil of Pine Needles American

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l.c.l., same basis.....lb. .1645- —
tanks, same basis.....lb. .1545- —
Paradichlorobenzene, dms., c.l., works..lb. .11 - .13
l.c.l., same basis.....lb. .12½- .15
Paraffin, crude scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery..lb. .04¼- —
fully ref'd, slabs, loose, 117-119 ASTM, c.l., refinery..lb. .05 - —
120-122 ASTM, same basis, lb. .0520- —
122-124 ASTM, same basis, lb. .0520- —
125-127 ASTM, same basis, lb. .0560- —
127-129 ASTM, same basis, lb. .0585- —
128-130 ASTM, same basis, lb. .0585- —
130-133 ASTM, same basis, lb. .0615- —
132-134 ASTM, same basis, lb. .0640- —
135-137 ASTM, same basis, lb. .0715 - —
140-142 ASTM, same basis, lb. .0810- —
146-148 ASTM, same basis, lb. .1050- —
Prices in bags 4/10c. per lb. higher than those for slabs loose.
Paraformaldehyde,[2,5] dms., 1,000 lbs. or more, works..lb. .21 - —
smaller lots, works.....lb. .22 - —
Paraldehyde, tech., 98%, 55 and 110-gal.dms., l.c.l., works..lb. .12 - —
and 10-gal. dms., works..lb. .15 - —
USP, cns., cbys.....lb. .35 - .45
Paranitroaniln, kgs., works...lb. .43 - .45
Paranitrochlorobenzene, kgs., works..lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs., works..lb. .30 - —
Paraphenylenediamine, tech., kgs lb. 2.00 - —
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratolvidin, bbls., works lb. 48 -
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld..lb. .20 - .27
l.c.l., same basis.....lb. .22 - .28
Passion flower herb, bls.....lb. .16 - .20
Patchouli leaves, bls.....lb. 34 - 3
Pectin, bbls.....lb. .85 - —
Penicillin,[6] hospitals, institutions, ampules per 100,000 units. 2.40 - 2.60
for gov purchases, ampules, per 100,000 units. 1.50 - —
Pennyroyal leaves, bls.....lb. .16 - .18
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol,[4] CP, bbls., dlvd. lb. .75 - —
less than barrel lots.....lb. 1.00 - —
tech., bbls., c.l.....lb. .29 - —
l.c.l.....lb. .33 - —
Tetra-acetate, bbls., dlvd....lb. 1.00 - —
less than barrel lots.....lb. 1.50 - —
Pentane,[4] 28°-38° C., industrial grade, dms., c.l., Group 3, gal. .11 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .07½- —
laboratory grade, dms., c.l., gal. .16 - —
l.c.l.....gal. .29 - —
10 gal.....gal. .55 - —
Pepper, black,[1] 15 tons, bgs...lb. .10 - —
50 to 100 bgs.....lb. .1050- —
4 to 24 bgs.....lb. .1100- —
red, chillies, Carolina longs, bgs..lb. .30 Nom.
sports, bgs.....lb. .45 - .46
Congo, bgs.....lb. .25 Nom.
Louisiana, sports, bgs....lb. .45 - .46
longs, old crop, bgs....lb. No stocks
Mombassa, bgs.....lb. .24½- .25
Niger, fair, bgs.....lb. .23 Nom.
Sierra Leone, bgs.....lb. .22½ Nom.
Unganda, washed, bgs...lb. No stocks
white, 15 tons, bgs.....lb. 1161 Nom.
24 bgs.....lb. .1295 Nom.
Peppermint, USP, bls.....lb. .80 - .85
Import, bls.....lb. .90 Nom.
Perchloroethylene,[2] dms., c.s., works, frt. alld., Zone 1..lb. .0782- .0800
l.c.l., same basis.....lb. .0832- .0850
Zone 2, dms., c.l., works, frt. alld..lb. .0832- .0850
l.c.l., same basis.....lb. .0882- .0900
Perchloroethylene, Zone 3, dms., c.l., works, frt. equald..lb. .0882- .0900
l.c.l., same basis.....lb. .0932- .0950
Zone 4, dms., c.l., f.o.b., stock point..lb. .0882- .0900
l.c.l., same basis.....lb. .0932- .0950
Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S.C., S.D.; (3) Col., Mont. (E), N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Peru balsam, dms.....lb. 1.15 - 1.20
Petrolatum, tech., dark, bbls., Group 3, c.l..lb. .021 - —
golden Topas, bbls., c.l.....lb. .032 - —
l.c.l.....lb. .036 - —
red, veterinarian, bbls., c.l.lb. .024 - —
l.c.l.....lb. .028 - —
USP, amber, dms., c.l.....lb. .03¼- —
l.c.l.....lb. .04½- —
extra amber, dms., c.l.....lb. .03½- —
l.c.l.....lb. .04½- —
cream, c.l., dms.....lb. .04⅜- —
l.c.l.....lb. .06½- —
yellow, soft, dms., c.l.....lb. .03½- —
l.c.l.....lb. .04½- —
white, lily, dms., c.l.....lb. .05½- —
l.c.l.....lb. .07 - —
snow, c.l., dms.....lb. .06¼- —
l.c.l.....lb. .07⅜- —
soft, c.l., dms.....lb. .05¼- —
l.c.l.....lb. .06¼- —
Deposit on ret. dms., $4.
Petrolatum prices dms. extra, ret.
Petroleum, crude, bulk, at wells, California, heavy grades..bbl. .93 - 1.01
Illinois.....bbl. 1.37 - —
Kentucky, Union County..bbl. 1.32 - 1.37
Louisiana-Arkansas.....bbl. .86 - 1.20
Oklahoma-Kansas.....bbl. .85 - 1.25
Pennsylvania.....bbl. 1.31 - 2.00
Texas, Gulf Coast.....bbl. 1.06 - 1.26
North, North-Central.....bbl. 1.01 - 1.26
West.....bbl. .70 - 1.12
Panhandle.....bbl. 1.10 - 1.22
Savannah, Ga.....bbl. 1.60 - 1.77
Wyoming.....bbl. 1.12 - —
Ether, laboratory, grade, 30-60° C., dms., c.l., Group 3.. gal. .16 - —
l.c.l.....gal. .29 - —
10 gals.....gal. .55 - —
35-60° C., dms., c.l.....gal. .29 - —
10 gals.....gal. .55 - —
40-75° C., dms., c.l.....gal. .16 - —
l.c.l.....gal. .29 - —
10 gals.....gal. 55 - —
Fuel oil, furnace, tanks, at refinery:—
Arkansas, No. 1.....gal. .04 - —
Nos. 2 and 3.....gal. .03½- —
California, heavy....bbl. 1.10 - —
light.....bbl. 1.20 - —
diesel.....gal. .04 - —
stove dist.....gal. .05 - —
Group 3, No. 3.....gal. .03½- —

Petroleum, fuel oil, furnace-type, at refinery, Group 3, No. 5, bbl. .85 - —
No. 6.....bbl. .80 - .85
Kansas, No. 6.....bbl. .85 - .90
Oklahoma, No. 2.....gal. .03⅝- —
No. 6.....bbl. .90 - —
14-16.....bbl. .97 - —
Pennsylvania, No. 1..gal. .07 - .07⅝
No. 2.....gal. .07 - .0805
No. 3.....gal. .06⅞- .07⅛
36-40 gravity.....gal. .07 - .07⅛
bunker C, Baltimore Md..bbl. 1.65 - 1.77
Boston, Mass.....bbl. 1.65 - 1.77
Charleston, Mass.....bbl. 1.60 - —
Jacksonville, Fla.....bbl. 1.60 - —
New York, N. Y.....bbl. 1.65 - 2.07
Norfolk, Va.....bbl. 1.65 - 1.77
Philadelphia, Pa.....bbl. 1.65 - —
Portland, Me.....bbl. 1.60 - —
Providence, R. I.....bbl. 1.65 - —
Savannah, Ga.....bbl. 1.65 - 1.77
Wilmington, N. C.....bbl. 1.65 - —
Lacquer diluent, at refinery:—
California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles, gal. .11 - —
Fort Wells, Wash..... .gal. .12 - —
San Francisco....gal. .11½- —
Willbridge, Ore...gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11½- —
gal. .07⅞- —
Group 3, benzol type, tanks, toluol type, tanks..gal. .07⅝- .07⅛
Mineral spirits, at refinery, California (f.o.b. San Francisco), 163-252 b.r., tanks.. gal. .10½- —
198-200 b.r., tanks...gal. .10¼- —
246-397 b.r., tanks...gal. .10¼- —
312-408 b.r., tanks...gal. .09 - —
362-488 b.r., tanks...gal. .09 - —
East Coast, N. J., N. Y..gal. .10 - —
Group 3, tanks.....gal. .06¼- —

Petroleum, mineral spirits, tankwagon, Baltimore..gal. .12 - .14
Boston.....gal. .12 - —
Bridgeport, Conn.....gal. .1680- —
Buffalo.....gal. .1240- —
Camden, N. J.....gal. .11 - —
Chicago.....gal. .13½- —
Detroit.....gal. .1580- —
Hartford.....gal. .1630- —
Kansas City, Mo.....gal. .1480- —
Lancaster, Pa.....gal. .12 - —
Milwaukee.....gal. .1440- —
Minneapolis.....gal. .1420- —
Newark (200 gal.)....gal. .11 - —
New York (200 gal.)....gal. .11 - —
Philadelphia.....gal. .11 - —
Pittsburgh.....gal. .129 - —
Providence.....gal. .13 - —
Rochester.....gal. .1320- —
St. Louis.....gal. .1370- —
Syracuse.....gal. .14 - —
Washington, D. C.....gal. .13 - —
Wilmington, Del.....gal. .13 - —
Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07½- —
tankwagons, Newark....gal. .12 - —
Bridgeport.....gal. .1730- —
Chicago.....gal. .1380- —
Detroit.....gal. .15 - —
Milwaukee.....gal. .1440- —
Minneapolis.....gal. .1420- —
New York.....gal. .12 - —
Philadelphia.....gal. .125 - —
St. Louis.....gal. .1470- —
high-solvency, No. 1, over 76% arom., tanks, Bayway, N. J..gal. .21½- —
No. 2, over 90% arom., same basis..gal. .21½- —
No. 3, same basis.....gal. .22½- —

Petroleum, naphtha, high-solvency, No. 3, tanks, same basis..gal. .228 - —
No. 30, tanks, f.o.b. Kingsland, N. J., frt. alld..gal. .223 - —
No. 40, tanks, Wilmington, Cal..gal. .13½- —
V.M.&P., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond.....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-77 190 i.p.b., 310 e.p. tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle..gal. .11 - —
Group 3, tanks.....gal. .07½- —
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —
tankwagon, Boston.....gal. .13 - —
Chicago.....gal. .1380- —
Detroit.....gal. .15 - —
Milwaukee.....gal. .1540- —
Minneapolis.....gal. .1520- —
Newark (200 gal)... .gal. .125 - —
New York.....gal. .13 - —
Philadelphia.....gal. .125 - —
Pittsburgh.....gal. .12½- —
St. Louis.....gal. .1470- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco)..gal. .25½- —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07½- .07⅝
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. J., N. Y., tanks..gal. .10 - —
Group 3, tanks.....gal. .06⅝- —
Pennsylvania, western, tanks..gal. .07½- .07¼

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Sulfapyridine U.S.P. (and Sodium Salt)
Sulfanilamide U.S.P. ... available in powder or 30/80 mesh crystals
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Calcium Pantothenate
Choline Chloride
Choline Dihydrogen Citrate
Cinchophen N.F. (and Sodium Salt)
Neocinchophen U.S.P.
Glutamic Acid Hydrochloride
Mandelic Acid U.S.P. (and Calcium Salt)
Menadione U.S.P.
Methylene Blue U.S.P. (Powder or Crystals)
Nicotinamide U.S.P.
Saligenin
Phenothiazine N.F. (for Veterinary Use)
Certified Colors for Pharmaceutical and Cosmetic Use

ARMY E NAVY

Petroleum solvent, Stoddard, tank-wagon, Baltimore..gal. .13 - —
Boston .....gal. .12 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1580- —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —

Petroleum xylol solvent. See Xylol petroleum solvent.

Phenobarbital, 5-lb. cns.....lb. 3.60 - 3.70
dms., 100 lbs.....lb. 3.50 - —

Phenol,[3,6] 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald..
lb. .10 - —
l.c.l., same basis.....lb. .10¾- —
tanks, same basis.....lb. .09 - —

82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .09¾- .10¼
l.c.l., same basis.....lb. .10½- .10¾
tanks, same basis.....lb. .08¾- .09¼

USP, dms., c.l., works, frt. equald..lb. .10½- —
l.c.l., same basis.....lb. .11¼- —
tanks, same basis.....lb. .09½- —

Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .92
yellow, flb. dms., 2,000 lbs...lb. .80 - —
smaller lots.....lb. .82 - .87

Phenothiazin, N.F., flb. dms., 2,000-lb. shipt..lb. .49 - —
smaller lots, same basis..lb. .54 - —

Phenylacetaldehyde, 50% solut., bots..lb. 2.45 - 3.00
100% solut., bots.....lb. 4.40 - 5.00

Phenylethyl acetate, cns.....lb. 2.45 - 3.00

Phenylethylphenyl acetate, bots., lb. 5.50 - 7.00

Phenylhydrazin, base, CP, bots. lb. 4.55 - —
Hydrochloride, CP, bots., works, lb. 1.10 - —
commercial, kgs., works....lb. 1.75 - —

Phloroglucinol, CP, flb. dms...lb. 13.75 -14.75
tech., flb. dms.....lb. 12.00 -12.50

Phosgene, ton lots, works.....lb. .19 - —

Phosphate rock,[1,8] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., M.P.R. 240 provisions, bulk, f.o.b. car, mine, c.l.....
long ton. 2.20 - —
70-68% b.p.l., M.P.R. 240 provisions, same basis..long ton. 2.60 - —
72%-70% b.p.l., M.P.R. 240 provisions, same basis..long ton. 3.20 - —
75%-74% b.p.l., M.P.R. 240 provisions, same basis..long ton. 4.20 - —
77%-76% b.p.l., M.P.R. 240 provisions, same basis..long ton. 5.20 - —
entirely pebble 50c. per ton higher than above prices.
80% P_2O_5 minimum, short ton. 2.90 - —
31% P_2O_5 minimum.. short ton. 3.10 - —
70%, basis 32% P_2O_5 minimum..short ton. 3.45 - —

Tenn., brown, unground, run-of-mine, 70%-68% b.p.l., 5% l. & a., M.P.R. 240 provisions, same basis, long ton. 5.00 - —
72%-70% b.p.l., 5½% l. & a., M.P.R. 240 provisions, same basis..long ton. 5.50 - —
refinery ground, same basis, long ton. 4.65 - —
30% P_2O_5, same basis.. short ton. 4.85 - —
31% P_2O_5, same basis.. short ton. 4.95 - —
32% P_2O_5, same basis..... short ton. 5.20 - —
33% P_2O_5, same basis..... short ton. 5.70 - —

Phosphate, defluorinated (see under D).

Phosphorus,[6] red amorphous, cs., lb. .40 - .44
tins, export.....lb. .55 - —
Yellow, dms.....lb. .25 - —
cs.....lb. .28 - .26
Oxychloride,[6] cyls.....lb. .15 - .15
Pentoxide,[6] dms., c.l., wks..lb. .11 - .12
l.c.l., works.....lb. .13 - .14
Sesquisulphide,[6] cs.....lb. .38 - .42
Trichloride,[6] cyls.....lb. .15 - .16

Phthalamide, bbls., works.....lb. .35 - .40
kgs., works.....lb. .45 - .50

Phthalic anhydride,[6] bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
l.c.l., same basis.....lb. .14 - —

Pichi leaves, bgs.....lb. .08 - .09½

Picoline (see Alphapicoline and Betapicoline).

Picrotoxin, bots.....oz. 8.00 - —

Pilocarpine hydrochloride, USP, bots., vls..oz. 3.90 - 5.25
Nitrate, bots., vls.....oz. 3.80 - 5.15

Pimento,[1] Jamaica, bgs.....lb. .21½- .22
Mexican (see Allspice, Mexican).

Pinkroot, bls.....lb. 1.85 - 1.90

Piperazine hexahydrate, bots..lb. 16.00 - —

Pitch, burgundy (see B).
Coaltar,[3] 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l., works.....ton. 22.00 - —

Pitch, cottonseed, dms., works..
lb. .04 - .06

Hardwood, paper bgs., works..lb. .03½- —
Linseed, dms.....lb. .05 - .05½

Petroleum (see Asphaltum, Mexican, Texas).

Soybean, dms., works.....lb. .04 - .06

Pine, dms.....100 lbs. 3.25 - —
stands, 200 lbs.....stand. 6.00 - —

Plaster of paris (see Gypsum).

Podophyllin, dms.....lb. 8.75 - 9.00

Pokeroot, bbls.....lb. .14 - .18

Polyamylnaphthalene, dms., l.c.l., works..lb. .25 - —

Pomegranate, root bark, bgs...lb. .80 - .85

Poppy flowers, bls.....lb. .60 - .70
Seed, Canadian, bgs.....lb. No stocks
domestic, blue, bgs.....lb. No stocks
Dutch, bgs.....lb. No stocks
Indian, white, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
cleaned, bgs.....lb. No stocks

Potash abietate.....lb. .08 - —
Acetate, USP, bbls., dms....lb. .28 - .30
cns.....lb. .31 - .33

Arsenite,[6] USP, solut., cbys., djns..lb. .13 - .15

Bicarbonate, USP, cryst., gran., bbls., dms..lb. .19 - .21

Bichromate,[6] bbls., cks., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10
Potash bichromate in bgs., ½c. less.

Bromide, USP, gran., 500-lb. bbls., dms..lb. .27 - .31
100-lb. kgs.....lb. .28 - .32

Carbonate, calc., bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
dms., l.c.l., same basis..lb. .05¾- —
USP, gran., bbls., dms....lb. .14 - .20
powd., bbls., dms.....lb. .19 - .21

Caustic, flake, 88-92%, dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
45% basis, dms.....lb. .08½- .08½
tanks.....lb. .02¾- —
liquid, dms., c.l., works, frt. alld..lb. .08 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis.....lb. .02¾- —
solid, 88-92%, dms., c.l., works..lb. .06¼- —
l.c.l.....lb. .06½- .06¾

Chromate,[6] bgs.....lb. .24 - .28

Chlorate,[6] cryst., bgs., c.l., works..lb. .11 - .11¾
l.c.l., works.....lb. .119 - .13
powd., dms., kgs., c.l., works, lb. .09¾- .11¾
l.c.l., works.....lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .18 - .20

Chloride, tech., cryst., 98%, bgs., kgs..lb. .08 Nom.

Citrate, USP, gran., bbls., dms, lb. .33½- .38½
powd., 3c. per lb. higher.

Cyanide,[6] dms., works.....lb. 35 - —

Fluoride, bbls.....lb. .34 - .40

Glycerophosphate, 75% sol., cns., cbys..lb. 1.65 - 1.67
dms., 1,000 lbs.....lb. 1.50 - —
100 lbs.....lb. 1.60 - —

Guaiacolsulphonate, NF, dms.lb. 1.65 - 1.85

Hydroxide, USP, sticks, dms.lb. .34 - .36

Hypophosphite, cns.....lb. .72 - .75

Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —

Iodide, bots., cns.....lb. 1.44 - 1.48
dms.....lb. 1.35 - 1.38

Manure salt, dom.,[6] 22% K_2O, f.o.b. Carlsbad, N. M..... unit-ton. .20 - —
Potash, manure salt, dom., 22% K_2O, seasonal contract discounts to March 31, 1945, 12%.
25% K_2O, same basis..... unit-ton. .21 - —

Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .25 - —

Muriate, dom.,[6] 60-62-63% K_2O, bulk, ex vessel, ports, unit-ton. .53½- —
Seasonal contract discounts to March 31, 1945, 12%.
granular, 50-52% K_2O..... unit-ton. .53½- —
Russian,[6] future shipt., subject to safe arrival.unit-ton. .53¼- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal., 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.

Nitrate (see Saltpeter).

Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .50
tech., fine gran., bbls., dms., lb. .28 - .31

Perchlorate,[6] kgs., works....lb. .09¾- .11

Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21

Prussiate, red, kegs.....lb. .50 - .53
Yellow, bbls.....lb. .16 - .17

Ricinoleate, tech., bbls.....lb. .18 - —

Silicate, glass, bgs., c.l., wks. ton. 290.00 - —
l.c.l .....100 lbs. 15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
29° Be, ret. dms., l.c.l., 5 or more, works..100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., wks. 100 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —

Sulphate, N.F., gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .21
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min., 90% ex vessel, Atl. or Gulf ports.. ton. 36.25 - —

Sulphocyanide, NF, dms.....lb. .70 - .76
Xanthate, dms., c.l.....lb. .12 - —

Potash-gold cyanide, 41% gold, bots., works..oz. 14.20 -14.95

Potash-magnesia sulphate, bulk,[6] min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports..ton. 26.00 - —

Potash-soda ferricyanide, kgs., works..lb. .40 - .42

Potash-titanium oxalate, bbls., dms..lb. .45 - .50

Prickly ash bark, bls.....lb. .40 - .42
Berries, bgs.....lb. .23 - .25

Prince's pine herb, bls.....lb. .65 - .70

Procaine hydrochloride, cns., 100-lb. lots..lb. 3.75 - —
smaller lots.....lb. 4.25 - 4.75

Propane,[6] industrial grade, tanks, Group 3..gal. .03¾- —

Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —

Psyllium seed (see Fleaseed).

Pulsatilla, bls.....lb. .65 - .66

Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03½- .04¼
Chl., ton lots.....lb. .04½- —
Pumice in bbls., is ½c. per lb. higher.

Pumpkin seed, bgs.....lb. .38 - .40

Purple lake (see Red).

Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —

A Promise to the Paint Industry

It has been our privilege to play a part of considerable importance in the war effort. In recognition of our achievements as producers of zinc oxides, the Army-Navy "E" has been awarded our plant at Josephtown, Pa. Now the paint industry is formulating a great postwar program in which we look forward to playing an equally important part. The industry — in its efforts to make available to consumers the vast quantities of high grade paint this program calls for — will find us ready and able to meet their demands for our justly famous zinc oxides, as soon as wartime restrictions are lifted.

ST. JOSEPH LEAD COMPANY

250 PARK AVE., NEW YORK, N. Y.

MADE BY THE LARGEST PRODUCER OF LEAD IN THE UNITED STATES

Pyrethrum,[1,6] concentrate, dewaxed, 20% for aerosol bombs, bbls., works.....lb. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal. 7.15 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal. 10.65 - —
flowers, coarse-grd., 0.9% pyrethrins, bbls., works..lb. .31½- —
fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin,[6] denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2° ret. dms., same basis. lb. .45½- .46
Pyrites, Spanish, c.i.f. Atl. ports. long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyronate, dms., works.....gal. .75 - 1.25
Pyrophylite, standard, 200 mesh, c.l., pap. bgs., mines..ton. 10.00 - —
325 mesh, same basis....ton. 13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton. 11.00 - —
Pyroxylin scrap, opaque, amber, c.s., works..lb. .17 - —
black, cs., works.....lb. .17 - —
works..lb. .17 - —
China, white, ivory, cs., dense, white, cs., works..lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottles, cs., works. lb. .14 - —
translucent pastels, cs., wks. lb. .17 - —
transparent, cs., works...lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .09 - 10
Quebracho extract,[6] solid, 65%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account. Current freight $21.60; WSA insurance, $3.75 per ton..lb. .04¾- .05½
clarified, 64%, bgs., c.l., same basis..lb. .05¾- .05⅝
dissolved, 85% tan., bbls., works..lb. .04125- .0550
tanks, works.....lb. .03625- .0450
ground, bgs., c.l.....lb. .06 - .06
l.c.l., bgs.....lb. .0825- .0950
Queen of the meadow root, bgs. lb. .11 - .13
Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver,[1] flasks (76 lbs. net)..flask. 118.00 Nom.
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[6] NF V, cryst., cns.oz. 1.05 + .13⅓[6]
powd., precip., cns.....oz. 1.01 + .13⅓
Sulphate, USP, cns.....oz. .71 + .13⅓

[6] Surcharge of 13⅓c. per oz.; see note under Quinine.

Quinine,[6] NF, cns., 100 ozs...oz. .84 + .13⅓[6]
Acetate, cns., 100 ozs.....oz. 1.05 + .13⅓
Arsenate, cns., 100 ozs.....oz. 1.05 + .13⅓
Arsenite, cns., 100 ozs..... 1.07 + .13⅓
Bisulphate, USP, cns., 100 ozs. oz. .60 + .13⅓
Citrate, cns., 100 ozs.....oz. .78 + .13⅓
Dihydrobromide, bots., 50 ozs. oz. .86 + .13⅓
Ethylcarbonate, USP, cns., 100 ozs..oz. 1.25 + .13⅓
Ferrocyanide, cns., 100 ozs...oz. 1.07 + .13⅓
Formate, cns., 100 ozs.....oz. 1.00 + .13⅓
Glycerophosphate, cns., 100 ozs. oz. 1.20 + .13⅓
Hydrochloride, USP, cns., 100 ozs. oz. .76 + .13⅓
Hydrochlorosulphate, cns., 100 ozs..oz. .81 + .13⅓
Hydriodide, cns., 100 ozs..oz. 1.05 + .13⅓
Hyposulphite, cns., 100 ozs..oz. 1.07 + .13⅓
Phosphate, NF, cns., 100 ozs. oz. .90 + .13⅓
Salicylate, NF, cns., 100 ozs., oz. .79 + .13⅓
Sulphate, USP, cns., 100 ozs. oz. .67 + .13⅓
Sulphocarbolate, cns., 100 ozs. oz. 1.05 + .13⅓
Tannate, USP X, cns., 100 ozs. oz. .63 + .13⅓
Tartrate, cns., 100 ozs.....oz. 1.03 + .13⅓
Valerate, NF IV, 100 ozs.....oz. .99 + .13⅓

[6] Surcharge to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Change in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,[6] USP, cns..oz. .81 + .13⅓[6]
Surcharge: See note under Quinine.
Quinoline, dms., c.l., works...lb. .34½- .50

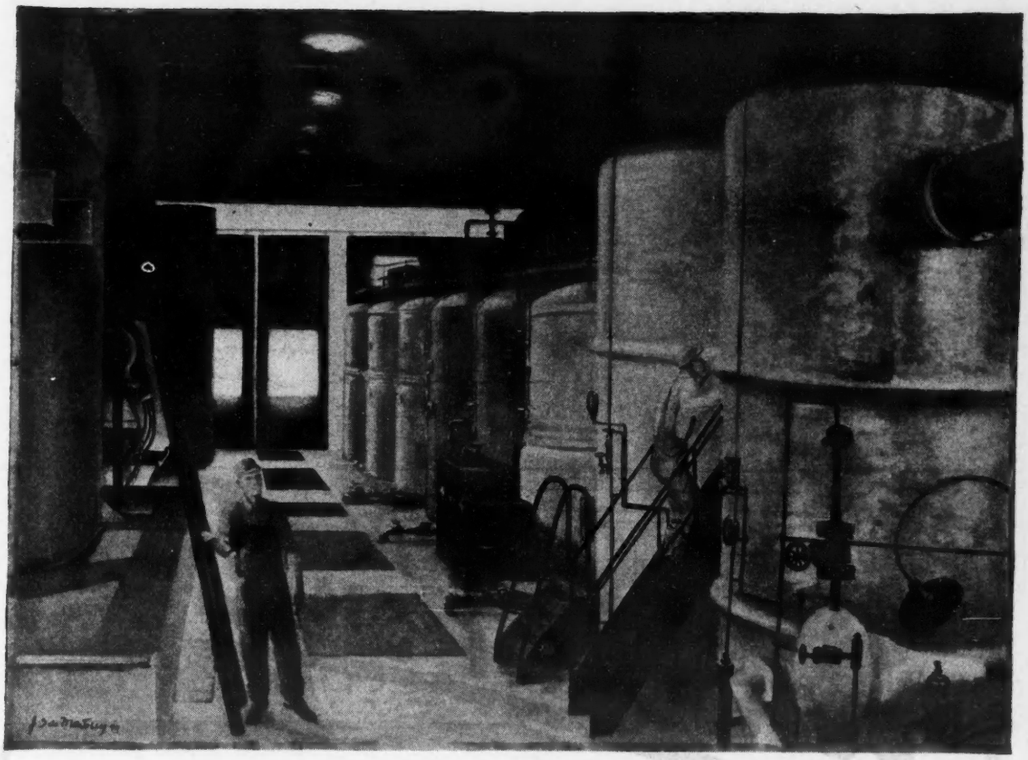
R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 1.25 - 1.30
Red, alizarin lake,[2] bbls., dlvd. N. of Tenn. and N.C., E. of Miss R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium, lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .80 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
Selenide, dark, bbls., works, lb. 2.50 - —
light, same basis.....lb. 2.20 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, red).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - —
Indian, dom., pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis..lb. .06¾- —
imp., English, all shades..lb. .12 - —
Red, iron oxide, pure, bbls....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08½- .09
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Litho toner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.
Mercury oxide,[2] tech., bbls., 10,000 lbs., works..lb. 2.00 - —
smaller lots.....lb. 2.02 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide (see Red, iron oxide).
Para[2] toner, concent., alizarin lake, kgs., works..lb. .70 - —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine, Y, kgs., works..lb. 4.15 - —
Purple, lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
lake, alizarin, kgs., works, lb. .35 - —
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Red, toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
M.N.P.T. maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., works..lb. .0220- —
10%, bbls., works.....lb. .0348- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03½- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.25 - 2.35
Red precipitate,[2] NF, powd., bbls. dms..lb. 2.17 - 2.19
Red saunders wood, grd., bbls. lb. .35 - —
Resorcinol, tech., dms., frt. alld. E. of Miss..lb. .68 - .78
USP, cryst., dms., 100 lbs., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .17 - .18
Rhubarb, whole, cs.....lb. .75 - .80
powd., bols.....lb. .80 - .85
Riboflavin, bots., 100 grams.kilo. 200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .45 - .46
Rose flowers, pale, bls.....lb. .45 - .50
Rosemary flowers, bls.....lb. 1.55 - 1.60
Leaves, Portuguese, bls.....lb. .09 - .09½
Spanish, bls.....lb. .13½- .14¼
Rosin, gum:—
B, dms., c.l.....100 lbs. 5.90 - —
D, dms., c.l.....100 lbs. 5.97 - —
E, dms., c.l.....100 lbs. 6.50 - —
F, dms., c.l.....100 lbs. 6.60 - —
G, dms., c.l.....100 lbs. 6.64 - —
H, dms., c.l.....100 lbs. 6.66 - —
I, dms., c.l.....100 lbs. 6.66 - —
K, dms., c.l.....100 lbs. 6.70 - —
M, dms., c.l.....100 lbs. 6.72 - —
N, dms., c.l.....100 lbs. 6.88 - —
W.G., dms., c.l.....100 lbs. 7.13 - —
W.W., dms., c.l.....100 lbs. 7.40 - —
X, dms., c.l.....100 lbs. 7.40 - —
Wood, F.F., dms., c.l...100 lbs. 3.78 - 3.96
Rotenone,[1,6] CP, bbls., works, lb. 10.90 -
extract, liq., dms., works..... per unit. 1.05 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.ton. 25.50 - —
l.c.l., same basis.....ton. 27.50 - —
Rue, bls.....lb. .75 - .80

S

Sabadilla seed, powd., bbls.....lb. .35 - .36
Saccharin,[1] soda (soluble), dms., makers, primary distrib., 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots, same basis..lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. .90 - .92
Spanish, tins.....lb. 42.00 Nom.
Safrol, cns.....lb. 1.10 - 1.15
Sage,[1] Calif., French type, bls., f.o.b. Pacific Coast..lb. .82 - .85
leucophylla, bgs., Pacific Coast lb. .45 - .48
Cyprus, good, bls.....lb. .19 - .19½
fair, bls.....lb. .16¾- .17
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .18 - .18½
Sago flour, bgs.....lb. .05 - .05¾
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks

Timely Experience . . .



Section of Caustic Evaporators of Niagara Alkali Plant

. . . WHEN NIAGARA was called upon to expand and increase its production for war purposes, its long pioneering experience proved of tremendous value in meeting unprecedented demands swiftly and efficiently. When the time comes to step back into peacetime production, Niagara's increased facilities plus its added war experience will prove of equal value in meeting the demands of industries that use electrochemical products. If you are among those who will need a completely reliable source of supply and highly skilled technical assistance in the use of such products, we invite you to submit your problems to Niagara Alkali Company.

Niagara ALKALI COMPANY

60 EAST 42nd STREET, NEW YORK 17, N. Y.

CAUSTIC POTASH • CAUSTIC SODA • PARADICHLOROBENZENE • CARBONATE OF POTASH • LIQUID CHLORINE

Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .98
powder, 10c. per lb. higher.
Salt rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.60 -18.00
vacuum, common, fine, bgs., c.l...ton.15.70 - —
l.c.l. .....ton.19.40 -23.20
Saltcake, dom., bulk, works.ton.15.00 - —
Chrome (see Chrome nuke).
Saltpeter, dbl. ref., gran., bbls., 10 tons..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 tons.... 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., cns.....kilo.200.00 -210.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, Amer., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .50
Mexican, bls.....lb. .20 - .22
Sassafras bark, srd., bls.....lb. .40 - .46
select, bls.....lb. .60 - .65
Savory, Spanish, bls.....lb. .24 - .25
dom., bls., f.o.b. Calif.....lb. .95 - .97
Saw palmetto berries, bgs.....lb. 1.30 - —
Scammony resin, lump, cns....lb. 1.80 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .08 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Scullcap, Eastern, bls.....lb. No stocks
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34¼- —
kegs, 5,000 lbs, 1 shipm't..lb. .34¼- —
smaller lots.....lb. .34 - —
Selenium, pwd., cs., 1,000 lbs..lb. 1.75 - —
cns., 10 lbs.....lb. 1.85 - —
Senega root, spot, lbs.....lb. 1.06 - 1.15
Senna, Alex., half leaf, bls...lb. .22 - .28
siftings, bgs.....lb. .22 - .24
Tinnevelly, No. 1, bls.....lb. .16 - .16½
2, bls.....lb. .11½- .12
3, bls.....lb. .10 - .10½
powd., bbls., bgs.....lb. .15 - .17
Pods, bls.....lb. .12 - .14
Serpentaria, root, bls.....lb. 1.40 - 1.50
Sesame seed,[1] Chinese, hulled, bgs..lb. .13½- .14
Indian, hulled, recleaned, bgs., lb. No stocks
natural, bgs.....lb. .11 Nom.
Shellac,[1] bonedry, bbls., 1,500 lbs..lb. .42½- —
Boston .....lb. .43½- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500 lbs.....lb. .48½- —
Boston .....lb. .49½- —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —

Bonedry shellac, sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¼c. per lb., (2) bbls., 1c. more; (3) kgs., 3c. more.

D.C., V.S.O., Diamond I, bgs., lots of 100..lb. .4660- —
Garnet, bgs., lots of 100.....lb. .3890- —
Superfine, bgs., Boston, N. Y., lots of 100..lb. .3660- —
Chicago, lots of 100.....lb. .3710- —
Pacific coast, lots of 100...lb. .3960- —
TN, bgs., Boston, N. Y., lots of 100..lb. .3550- —
Chicago, lots of 100.....lb. .3600- —
Pacific coast, lots of 100...lb. .3806- —

Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill., works, ton.17.00 - —
l.c.l., same basis....ton.20.00 - —
400 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., same basis..ton.30.60 - —
l.c.l., same basis....ton.35.00 -38.00
96-98%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., same basis..ton.15.50 - —
l.c.l., same basis....ton.18.50 - —
140 mesh, bgs., c.l., same basis..ton.11.00 - —
l.c.l., same basis....ton.16.00 - —

Silicon tetrachloride, tech., 55-gal. dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .15½- —
10 gals., works.....lb. .27 - —
Silver bullion.....oz. .44¾- —
govt. purchase, dom.....oz. .7111- —
govt. purchase,[1] foreign...oz. .44¾- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, 100-oz. bots.....oz. .32½- —
Nucleinate, bots., dms.....oz. .308 - .358
Proteinate, bots., dms.....oz. .298 - .338
Simaruba bark, bls.....lb. .52 - .55
Skunk cabbage root, bls.....lb. .40 - .45
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .70 - .75
Smalt, black, ctns.....lb. .05 - .08
Blue, ctns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .80 - .85
Soapbark, bls.....lb. .11¾- .12¾
crushed, bls., bbls.....lb. .13 - .14
cut, dom., bls., bbls.....lb. .16 - .19
imp., bbls.....lb. .18 - .19
powd., bbls.....lb. .17 - .18
Soda acetate, anhyd., dms., dlvd. lb. .08¼- .10
l.c.l., dlvd.....lb. .05½- .06
NF, bbls., dlvd.....lb. .09½- .10
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.80
Aluminate,[4] for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd.....lb. .15 - .15½
Arsenate,[4] dms., dealers, c.l., works..lb. .09½- —
l.c.l., same basis.....lb. .10¾- .11¼
Arsenite,[4] gray, dms., dealers, c.l., works..lb. .08¾- —
l.c.l., works.....lb. .09 - .10
Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.....100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l.....100 lbs. 1.13 - —
l.c.l., dlvd., zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., dlvd., zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 59%, bgs., c.l., works. 100 lbs. 1.05 - 1.13
l.c.l., dlvd., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., dlvd., zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south. bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 93°, Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. N. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex. W. of 100° (including Wichita Falls (excluding El Paso): (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Soda benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more, lb. .46 - —
smaller lots.....lb. .47 - .52
Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —
Bichromate,[6] bbls., cks., c.l., works..lb. .07¾- —
l.c.l., works.....lb. .07½- .07¾
Soda bichromate in bgs., ½c. less.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11¼- —
l.c.l., same basis.....lb. .12 - .14
kgs.. l.c.l., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.30 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
44°, bbls., works.....100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .27 - .30
fiber dms., works, 100 lbs., lb. .28 - .31
Cacodylate, 5-lb. bots., works, lb.17.00 - —
Carbonate (see Soda ash, soda monohydrate, soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., zone 1, dlvd..... 100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 5.05
3, dlvd.....100 lbs. 3.95 - 5.30
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works.. 100 lbs. 1.97½- —
sellers' tanks, works.... 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works.. 100 lbs. 2.30 - —
l.c.l., zone 1, dlvd..... 100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —

Caustic soda zones are same as soda ash. Chloride (see Salt).

Chlorate,[6] cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate,[2,6] bbls., cks., c.l., works, frt. equald..lb. .08¾- —
l.c.l., works, frt. equald..lb. .08⅞- .09½

Soda chromate in bgs. is ½c. lower.

Citrate, USP VIII, bbls.....lb. .18½- —
dms.....lb. .19½- .22½
USP XII, gran., bbls.....lb. .24 - —
dms.....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms.....lb. .25½- .29½
Cyanide,[6] 96-98%, dms.....lb. .14½- .15
Diacetate, 38-35% acidity, bbls., dlvd..lb. .09½- .10½
anhyd., dms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Formate, bgs., c.l., works...lb. .0655- —
l.c.l., works.....lb. .068 - —
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, cryst., bbls., 1,000 lbs..lb. 1.25 - —
dms.....lb. 1.40 - —
powdered, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90
Hydrosulphite, dms., frt. alld. lb. .17 - .18
Hydroxide, USP, sticks, dms..lb. .24 - .26
Hypophosphite, NF, cns.....lb. .67 - .70

Soda hyposulphite, cryst., bgs., c.l., works, frt. equald... 100 lbs. 2.25 - —
l.c.l., same basis..100 lbs. 2.50 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.75 - 3.95
Soda hyposulphite in bbls., 20c. higher; in dms., 50c. higher.
Iodate, dms., jars.....lb. 5.40 - 5.46
Iodide, bots.....lb. 2.53 - 2.67
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb. 3.25 - 3.35
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.30
gran., bbls., c.l., works, frt. equald..lb. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.80 - 3.85
Molybdate,[6] anhyd., kgs., works. lb. .47 - —
Monohydrated, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate,[6] crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, same basis.....ton.27.00 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac., whse..ton.33.00 - —
200-lb. bgs., same basis. ton.32.40 - —
bulk, same basis.....ton.30.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
Nitrite, 96-98%, bbls., c.l., wks., frt. equald..lb. .06¾- —
West Coast ports..100 lbs. 8.00 - 8.65
l.c.l., dlvd.....100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works, frt. equald..lb. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.85
flake, dms., c.l., wks..100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works.....lb. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., works, frt. equald..lb. .19 - —
Pantothenate, dext., 100-gram bots..per gram. 10 - —
Perborate,[6] NF, bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15½- —
Peroxide,[6] dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate,[6] dibasic, tech., anhyd., bgs., c.l., works..... 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.50 - 7.25
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works.....lb. 2.95 - 3.45
USP XII, gran., bbls., dms., works..lb. .10 - —
dried, bbls., dms., works. lb. .16 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
tribasic,[6] anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - —
l.c.l., same basis..100 lbs. 6.50 - —
cryst., bgs., c.l., same basis. 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.40 - —
kgs., c.l., works..100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 4.15 - —
USP (see Sodium phosphate, dibasic).
Soda phosphate in bbls. is 20c. higher.
Prussiate, yellow, bgs., spot. lb. .10¾- —
bbls., spot.....lb. .11 - —
Pyrophosphate,[6] anhyd., bgs., c.l., works, frt. equald... 100 lbs. 6.55 - —
l.c.l., same basis...100 lbs. 6.80 - —
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls, ...100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd...100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.

Sesquisilicate, dms., c.l., works, 100 lbs. 3.05 - —
l.c.l., dlvd.....100 lbs. 4.05 - 4.30
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works....100 lbs. 1.05 - 1.20
tanks, works.....ton.12.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride,[6] bbls., c.l., works. lb. .06½- .07
l.c.l., same basis.....lb. .08 - .10
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07½
tech., anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or more, works. 100 lbs. 1.95 - 2.15
tech., anhyd., bgs., less than 5 tons, works..100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
USP, cryst., gran., bbls..lb. .07 - .10
Sulphathiazole, monohydrate, dms., 1,000-lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works.....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l. .....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .06 - .08
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works, lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., kgs.....lb. 1.35 - 1.50
Soda-formaldehyde sulphoxylate, stand cont. (125-250 lbs.)..lb. .19 - .22

USE A Cowles DETERGENT SILICATE

Crystamet
Reg. U. S. Pat. Off.
Pentahydrate Sodium Metasilicate Cowles. CRYSTAMET is an exceptionally pure, perfectly white granular sodium metasilicate with the normal 42% water of crystallization. Excellent solubility, uniformity, chemical stability.

Drymet
Reg. U. S. Pat. Off.
Anhydrous Sodium Metasilicate. Cowles DRYMET is the most highly concentrated, most economical form of sodium metasilicate available. DRYMET contains no water. Yields nearly twice the chemical strength of hydrated sodium metasilicate at a substantial saving. Completely soluble, non-caking, easy to handle.

Dryorth
Reg. U. S. Pat. Off.
Technically Anhydrous Sodium Orthosilicate. Cowles DRYORTH is a high pH detergent silicate with valuable peptizing, emulsifying, dirt-suspending power. Recommended for heavy-duty detergency requiring high Na_2O value.

BUY MORE WAR BONDS

THE COWLES DETERGENT CO.
7016 EUCLID AVENUE . CLEVELAND 3, OHIO

Solvent naphtha,[4] dms., wks. gal. .32 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal. .gal. .27 - —
Minnequa, Colo. .gal. .27 - —
high-flash, dms., works .gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal. .gal. .27 - —

Soybean meal,[1] 41%, Decatur, bulk, c.l. .ton. 45.00 - —
Protein, alpha, bgs., 40,000-60,000 lbs., works .lb. .20 - —
100-40,000 lbs., works .lb. .20 - .20¼
less than 100 lbs., works, lb. .24 - —

Sorbitol,[6] com'l, dms., c.l., works, lb. .14¾- —
l.c.l., same basis .lb. .15½- —

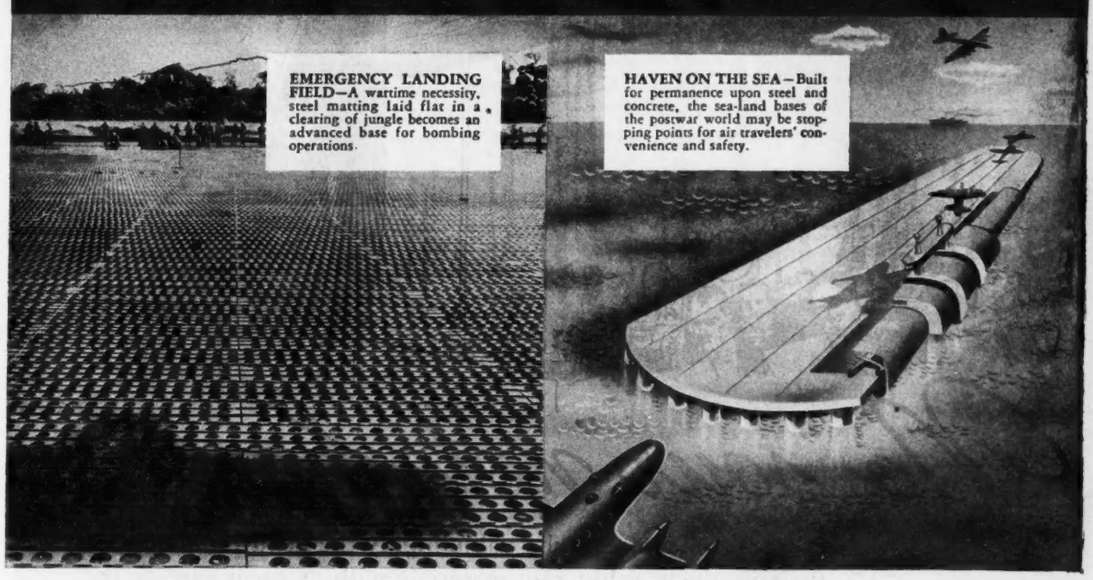
Sparteine sulphate, bots., cns. .oz. 1.80 - 1.90
Spearmint leaves, bls. .lb. .50 - .55
Spikenard root, bls. .lb. .40 - .45
Spruce extract, liq., reg., bbls., c.l., works .lb. .02¾- —
tanks, works .lb. .01½- —
pwd., super, bgs., c.l., wks. .lb. .04½- —
Squaw vine, bls. .lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs. .lb. 2.25 - —
White, bls. .lb. .14 - .16
powd., bbls., bxs. .lb. .18 - .19
St. Ignasius beans, bgs. .lb. No stocks
St. John's bread, edible, bls. .lb. .16 - .17
Starch, corn, pearl, bgs. .100 lbs. 4.05 - —
Chicago .100 lbs. 3.72 - —
Corn, powd., bgs. .100 lbs. 4.19 - —
Chicago .100 lbs. 3.83 - —
Potato, bgs., c.l. .lb. .0637- —
l.c.l. .lb. .0712- —
Rice, bgs., c.l. .lb. No stocks
Sweetpotato, bgs. .lb. No stocks
Wheat, thick boil, bgs. .lb. .05 - —
Starch iodide, bots. .lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls. .lb. No stocks
Stoneroot, bls. .lb. .07½- .08
Storax, cs. .lb. 1.25 - 1.50
Stramonium leaves, bgs. .lb. .22 - .23
Seed, bgs. .lb. .20 - .21
Strontium bromide, cns., dms. .lb. .53 - .55
Carbonate, 90%, bbls. .lb. .14 - .16
98%, bbls. .lb. .23 - .25
Chloride, tech., bbls. .lb. .22 - .24
Chromate, bbls., kgs., Phila. .lb. .35 - .37
Iodide, bots. .lb. 3.06 - 3.15
jars, 25 lbs. .lb. 3.00 - —
Lactate, dms. .lb. 1.30 - 1.35
Nitrate, bbls., c.l., works .lb. .07¾- —
l.c.l., works .lb. .08¾- .08¾
Oxalate, bbls. .lb. .37¼- —
Salicylate, NF, dms. .lb. 1.10 - 1.13
Sulphate, nat., 92% min., air-floated, 300 mesh, bbls., c.l., works .ton. 52.00 - —
l.c.l., works .ton. 54.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works .lb. 2.50 - 2.85
Strophanthin, bots. .oz. 30.00 - 5[illegible].00
Strophanthus seed, Komba, bgs., lb. 2.65 - 2.70
Styrolyl acetate, bots. .lb. 2.50 - 3.10
Strychnine, NF, cryst., cns., 100 oz. .oz. .70 - —
powd., cns., 100 ozs. .oz. .60 - —
Acetate, cns., 100 ozs. .oz. .88 - —
Arsenate, cns., 100 ozs. .oz. .91 - —
Arsenite, cns., 100 ozs. .oz. .88 - —
Glycerophosphate, cns., 100 ozs., oz. .89 - —
Hydrochloride, cns., 100 ozs. .oz. .88 - —
Hypophosphite, 25-oz. cns., 100 ozs. .oz. 1.00 - —
Nitrate, NF, 100 ozs. .oz. .82 - —
Phosphate, NF, 100 ozs. .oz. .89 - —
Sulphate, cryst., cns., 100 ozs. oz. .58 - —
powd., cns., 100 ozs. .oz. .48 - —
Sucrose octa-acetate, denat., bbls., l.c.l., works .lb. .45 - —
tech., bbls., l.c.l., works .lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, 100-lb. dms. .lb. 9.00 - —
Sulphaguanidin, 100-lb. dms. .lb. 5.50 - —
Sulphanilamide, bots. .lb. 1.35 - —
fib. dms. .lb. .90 - 1.10
Sulphapyridin, powd., bots., tins, lb. 5.00 - 5.30
Sulphathiazole, dms., 1,000-lb. lots .lb. 2.50 - —
500-lb. lots. .lb. 2.60 - —
smaller lots. .lb. 2.65 - 2.80
Sesquihydrate prices same as sulphathiazole.
Sulphonethylmethane, kgs. .lb. 6.75 - 6.85
Sulphonmethane, kgs. .lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contracts .long ton. 16.00 - —
f.o.b. vessels, Gulf ports, contract .long ton. 17.50 - —
flour, comm'l, 99½%, bgs., c.l., works .100 lbs. 1.85 - —
l.c.l., works .100 lbs. 2.00 - 2.15
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works .100 lbs. 2.90 - —
l.c.l., works .100 lbs. 3.25 - 3.40
heavy bgs., c.l., works, 100 lbs. 2.60 - —
l.c.l., works .100 lbs. 2.95 - 3.10
light, bgs., c.l., works, 100 lbs. 2.70 - —
l.c.l., works .100 lbs. 3.05 - 3.20
Refined sulphur in bbls., 35c. higher.
USP, bgs., c.l., works .100 lbs. 3.05 - —
l.c.l., works .100 lbs. 3.40 - 3.55
rock, bbls., c.l., works .100 lbs. 2.20 - —
l.c.l., works .100 lbs. 2.55 - 2.70
roll, bbls., c.l., works .100 lbs. 2.40 - —
l.c.l., works .100 lbs. 2.75 - 2.90
Chloride, 55-gal. dms., c.l., works .lb. .03 - .03½
l.c.l., works .lb. .04 - .04½
10-gal. dms., c.l., works .lb. .07 - .07½
l.c.l. .lb. .08 - .08½
Dioxide, liquid, com'l, cyls., works .lb. .07 - .09
multi-unit cars, works .lb. .04½- .06
tanks, works .lb. .04 - —
refrigeration, cyls., works, lb. .18 - .21
Iodide, bots., jars .lb. 3.90 - 4.11
Sumac extract, No. 1, bbls. .lb. .08 - —
No. 2, bbls. .lb. .07 - —
stainless, bbls. .lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile, under 22% a.p.a., bulk, production points,
Balto. .unit-ton. .65 - —
Florida .unit-ton. .51 - .54
others .unit-ton. .57 - .84
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.03 per ton.
Superphosphate,[1] gran., 2c. per unit-ton higher than pulverized; guaranteed 19%, 19% or 20% a.p.a., ½c. per unit-ton higher.
triple 40% and more a.p.a., bulk, producing points, Florida .unit-ton. .63 - —
South Carolina .unit-ton. .70 - —
Tennessee .unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.
Sweet Basil, bls., f.o.b. Calif. .lb. .97 - .98

T

Talc, dom., aluminum-flake type, grd., bgs., c.l., works .ton. 14.50 -24.50
l.c.l., works .ton. 16.50 -30.00
Calif., bgs., c.l., wks. .ton. 17.50 -43.00
Talc, dom., fibrous, grd., coarse, off-color, New York, bgs., c.l., works .ton. 13.00 - —
fine, New York, 325 mesh, 93 - 94%, bgs., c.l., works .ton. 13.00 -18.00
98 - 99.5%, bgs., c.l., works .ton. 15.25 -19.25
99.85-99.95%, bgs., c.l., works .ton. 17.00 -21.00
Pennsylvania, bgs., c.l., works .ton. 11.00 -13.50
l.c.l., works .ton. 12.00 -14.50
Vermont, bgs., c.l., works ton. 14.00 - —
l.c.l., works .ton. 15.00 - —
Imp., Canada, bgs., c.l. .ton. 24.00 -30.00
Tallow,[1,6] edible, tanks .lb. .09⅞- —
inedible, extra, loose .lb. .08⅝- —
special, loose .lb. .08½- —
sulphonated, 35% (24% fat), dms., c.l. .lb. .05¾- —
50% (43% fat), dms., c.l. .lb. .06⅞- —
50% (43% fat), dms., c.l. .lb. .07⅜- —
Tallow, sulphonated, l.c.l., 1c. higher.
Tamarind, bbls. .lb. .13 - .14
Tankage,[1] animal, feed, 9-11% ammon., bulk .unit-ton. 5.53 - —
Chicago .unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk .unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago .unit-ton. 4.00 & .10
Tapioca flour,[1,6] Brasil, bgs. .lb. .06½- .07¼
Java, bgs. .lb. No stocks
Tar acid oil,[2,6] 15-18%, dms., c.l., works .gal. .26½- .27½
l.c.l., works .gal. .28½- .29¾
25%, dms., c.l., works .gal. .30 - —
l.c.l., works .lb. .32 - —
Pine, retort, dms., c.l., divd. East .gal. .32¾- —
l.c.l., works .gal. .29¾- —
tanks, divd. East .gal. .27 - —
Tara, powd., divd. N. Y. .ton. 120.00 - —
Tarragon herb, bgs. .lb. 1.50 - 1.70
Tartar emetic, tech., gran. or powd., bbls., kgs. .lb. .47¾- .48
dms. .lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .53¾- .56
Terpin hydrate, com'l, bbls., c.l. lb. .75 - .80
l.c.l. .lb. .25 - .25½
USP, cryst., bbls., dms. .lb. .70 - .75
powd., bbls., dms. .lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South .lb. .13½- —
l.c.l., South .lb. .14 - —
tanks, South .lb. .13 - —
pure, dms. .lb. .35 - .50
Terpinyl acetate, extra, cns., dms. .lb. .90 - 1.15
prime, cns., dms. .lb. .75 - 1.05
Terpinglycol ether, dms. (extra), c.l., works .lb. .19½- —
l.c.l., works .lb. .20 - —
tanks, works .lb. .19 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks. .lb. .08 - .08½
Tetrachlorethylene, N.F. VI, 55-gal. dms., works .lb. .20 - .21½
smaller dms., works .lb. .23½- .25½
tech. (see Perchloroethylene).
Tetralin, dms. .lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works .lb. 12.50 - —
Theobromine,[1,6] makers, primary distrib., dms., 25-lb. lots .lb. 2.80 - —
smaller lots. .lb. 2.90 - 3.00
Thiamine hydrochloride, bots., dms. 100 grams .kilo. 160.00 - —
Thiocarbanilide, dms. .lb. .24 - —
Thiourea, CP, dms. .lb. .55 - .56
Thorium nitrate, cs., works .lb. 2.00 - —
Thyme,[1] California, French type, lbs., f.o.b. Pacific Coast .lb. .80 - .82
Spanish, bls. .lb. .17½- .18
Thymol, cns. .lb. 2.40 - 2.75
Iodide, dms. .lb. 3.40 - 3.80
Timbo root,[2,6] (see Cube root).
Tin chloride,[6] anhydrous .lb. No stocks
Crystals,[6] bbls., bgs. .lb. No stocks
Metal,[1,6] Straits .lb. .52 - —
Oxide,[6] bbls. .lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works .lb. .31 - .33
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., divd. .lb. .15 - —
l.c.l., 5 tons one deliv., divd. .lb. .15¼- —
smaller lots, divd. .lb. .15½- .15¾
nonchalking,[1,3] bgs., c.l., divd. E. .lb. .16¼- —
l.c.l., 5 tons, one deliv., divd. .lb. .16¾- —
smaller lots, divd. .lb. .17 - .17¼
plain,[3] bgs., c.l., divd. .lb. .14½- —
l.c.l., 5 tons one delivery, divd. .lb. .14¾- —
smaller lots, divd. .lb. .15 - .15¼
Hydride, cns., works .lb. 7.00 - 8.00
Pigment, barium base,[1,3] bgs., c.l., divd. .lb. .05¾- —
l.c.l., divd. .lb. .06 - —
calcium base,[1,3] bgs., c.l., divd. .lb. .05½- —
l.c.l., divd. .lb. .05¾- —
calcium-rutile base,[1,3] bgs., c.l., divd. .lb. .05½- —
l.c.l., divd. .lb. .05¾- —
magnesium base,[1,3] bgs., c.l., divd. .lb. .05¾- —
l.c.l., divd. .lb. .06 - —
Titanium dioxide and pigment in bbls. ¼c. higher; Pac. cst. ¼c. higher, c.l., divd., l.c.l., ex whse.

SOLVAY*

...KEYED TO TODAY AND TOMORROW!



EMERGENCY LANDING FIELD—A wartime necessity, steel matting laid flat in a clearing of jungle becomes an advanced base for bombing operations.

HAVEN ON THE SEA—Built for permanence upon steel and concrete, the sea-land bases of the postwar world may be stopping points for air travelers' convenience and safety.

Today...Solvay Alkalies are vital contributions to our war-operating industries. Aviation—but one major consumer—exemplifies the basic use of these quality alkalies and related products in the manufacture of essential war equipment. Solvay, serving all industry since 1881.

Tomorrow...the application of today's wartime developments in industry will establish new horizons for American manufacturers. Solvay, America's largest producer of quality alkalies, will continue to offer its research and technical resources to a greater-expanding peacetime industry.

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TRADE MARK REG. U. S. PAT. OFF.

*The Solvay Process Company employs salt, limestone and ammonia to make Soda Ash, from which basic material Caustic Soda and other alkalies are derived.

SODA ASH • CAUSTIC SODA
AMMONIUM CHLORIDE • CAUSTIC POTASH
MODIFIED SODAS • AMMONIUM BICARBONATE
SODIUM NITRITE • PARA-DICHLOROBENZENE
CALCIUM CHLORIDE • CHLORINE • SALT
POTASSIUM CARBONATE

SOLVAY SALES CORPORATION
Alkalies and Chemical Products Manufactured by The Solvay Process Company
40 RECTOR STREET NEW YORK 6, N. Y.
BRANCH SALES OFFICES:
Boston • Charlotte • Chicago • Cincinnati • Cleveland • Detroit
New Orleans • New York • Philadelphia • Pittsburgh • St. Louis • Syracuse

Titanium tetrachloride, CP, 55-gal., dms., works..lb. .57 - —
smaller pkgs, works....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works....lb. .40 - 1.00
Tolu balsam, cns.....lb. .80 - .82
Tolidine base, distilled, kgs...lb. .96 - —
Toluene (see Toluol).
Toluol[6] (toluene), 2° indus., dms., return, works..gal. .33 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .29 - —
West. Minnequa, Colo.gal. .28 - —
1° nitration, dms., return, works..gal. .34½- —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .29½- —
West, Minnequa, Colo.gal. .29½- —
Tonga, 50% bark and vine, bbls.lb. .90 - .91
Tonka beans, Angostura, cks..lb. 2.50 - 3.00
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1,6] USP XII, 100 ozs. oz. .52 - —
Triacetin, dms., works.....lb. .27 - .32
Triamyl borate, dms., works...lb. .33 - —
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, 475-lb. dms..lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l. .....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichloroethane, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - —

Trichloroethylene,[6] d m s., c.l., works, Zone 1, frt. alld...lb. .08 - —
Zone 2, same basis.....lb. .08½- —
Zone 3, same basis.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —

Trichloroethylene, l.c.l. prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate,[6] CP, cns., works..lb. .43½- .54½
dms., c.l., dlvd.....lb. .37½- —
l.c.l., dlvd.....lb. .40½- —
tech., cns., works.....lb. .28½- .45½
dms., c.l., dlvd.....lb. .25 - .31
l.c.l., dlvd.....lb. .26½- .31½
tanks, dlvd.....lb. .24 - .30

Triethanolamine,[6] d m s., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .46 - —
Triethylamine, dms., works....lb. 1.16 - —
Triethyleneglycol,[6] dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd., lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Trimethyloipropane, bbls.....lb. .65 - —
Triphenyl phosphate,[6] bbls...lb. .31 - .32
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works..ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[2,6] (see Derris root).

Tungsten metal, powd.,[2] 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Aleppey, bgs...lb. .12 - .12½
Haitian, f.o.b. New Orleans, bls..lb. .09½- .10
Madras, bgs.....lb. .12 Nom.
Turpentine, gum, dms.....gal. .86½- .87
sulphate-wood, dms., c.l....gal. .65 - .75
tanks .....gal. .57 - .67
wood, d.d., dms., East.....gal. .65 - .70
tanks .....gal. .60 - —
steam-dist.,[1] ret. dms.....gal. .80 - .83
tanks .....gal. .74 - .75

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium[6] oxide, black bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.75.00 - —
l.c.l., ship. pts.....ton.77.50 -85.00
import. ours, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works or A. or G. ports. ton.57.40 - —
Urea-ammonia liquor (A and B), free ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va., NH_3 ton.112.80- —
usual Atla. and Gulf ports, NH_3..ton.116.80 - —

C and D prices are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Uva ursi leaves, bls.....lb. .22 - 28

V

Valerian root, NF, bls.....lb. .55 - .60
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins..lb.10.00 Nom.
Mexican, cuts, tins.....lb.10.00 - —
whole, tins.....lb.11.00 - —
Tahiti, white label, tins..lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
East Indian, tins.....lb. No stocks
Vanillin,[1] makers, primary distrib., tins, ex eugenol, 25 lbs. or more..lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.75
ex guaiacol or lignin tins, 25 lbs. or more..lb. 2.35 - —
lignin tins, 25 lbs. or more, lb. 2.35 - —
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate,[6] cnys., works...lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., works....lb. .25 - —
Ether, 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis....bot. 1.05 - —
25 c.c., same basis....bot. .65 - —
Trichloride (See Trichloroethane).
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol), mil. units. .10 - .14
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
Vitamin B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
E (see Alpha tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum, naphtha, v.m.p.).

W

Wahoo, root bark, bls.....lb. .55 - .60
Wattlebark,[1] E. Afr., bgs., f.a.s., based on freight $11.70, insurance $1 per ton. Difference for buyers' account... ton.53.00 - —
Wattle bark, So. Afr., bgs., f.a.s., based on freight $11.70, insurance $1 per ton. Difference for buyers' account.... per ton.53.00 - —
extract[1] liquid, 35% tannin, bbls., works..lb. .05¼- .06¼
tanks .....lb. .04¾- .05¼
solid, So. Afr., 62% tannin, ex dock..lb. .0572- .0597
E. Afr., 61% tannin, ex dock, lb. .05595- .05845
Wax, amorphous, 160°-165° m.p., amber, ctns., 30 tons yearly, contract, group 3, works..lb. .14¼- —
smaller lots.....lb. .14½- .15¼
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots.....lb. .13 - .13¾
160°-165° m.p., white, ctns., 30 tons, same basis..lb. .24¾- —
smaller lots.....lb. .25 - .25¾
180°-185° m.p., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots.....lb. .16¾- .17¼
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots.....lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .28¾- —
Bayberry, bgs.....lb. No stocks
Bees,[1] bleached, USP, white, bricks, bgs., ton..lb. .58 - —
discs or cakes, bgs., ton. lb. .60 - —
ctns., ton.....lb. .61 - .63
slabs, bgs., ton.....lb. .57 - —
yellow, crude, African, bgs., ton..lb. .37½ Nom.
Cent. or So. Amer., sun-bleachable, bgs., ton..lb. .44¾ Nom.
unbleachable, bgs., ton, lb. .41½ Nom.
ref'd, USP, bricks, bgs., ton. lb. .53½- —
disc., bgs., tons.....lb. .55½- —
ctns., ton.....lb. .56½- .58½
rounds or squares, bgs., ton..lb. .57½- —
ctns., ton.....lb. .58½- .60½
slabs, bgs., ton.....lb. .52½- —
Candelilla,[1] crude, bgs., ton..lb. .34½- .35
smaller lots.....lb. .35½- .44½
Candelilla, powdered, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
refined, bgs., ton.....lb. .44 - —
smaller lots.....lb. .45 - .54
Carnauba,[1] chalky, No. 3, bgs., ton lots..lb. .71½- —
smaller lots.....lb. .72½- .81½
North Country No. 2, bgs., ton lots..lb. .75¾- —
smaller lots.....lb. .76¾- .85¾
No. 3, bgs., ton.....lb. .73½- —
smaller lots.....lb. .74½- .83½
refined, bgs., ton.....lb. .76¾- .80
smaller lots.....lb. .77¾- .90
yellow, No. 1, bgs., ton....lb. .83½- —
smaller lots.....lb. .84½- .92½
No. 2, bgs., ton.....lb. .81¾- —
smaller lots.....lb. .82¾- .91½
No. 3, bgs., ton.....lb. .79 - —
smaller lots.....lb. .80 - .89
carnauba wax, powdered (same differentials as candelilla).
Ceresin, dom., 138°-140° m.p., bgs., ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
150°-160° m.p., bgs., 1 ton, lb. .15½- .16
jobbing lots.....lb. .16½- .17
160°-170° m.p., bgs., 1 ton, lb. .16½- .17
jobbing lots.....lb. .17½- .18
Japan, cs.....lb. No stocks
Montan, bgs.....lb. No stocks
Ouricury,[1] bgs., ton.....lb. .49½- .51¾
smaller lots.....lb. .50½- .61¾
refined, bgs., ton.....lb. .62 - —
smaller lots.....lb. .63 - .72
powdered ouricury prices same as candelilla.
Paraffin (see under P).
Spermaceti, blocks, cs.....lb. .26 - .27
cakes, cs.....lb. .27 - .28
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .15 - .16
White precipitate,[2] powd., dms., 50 lbs. or more..lb. 1.98 - —
Whiting, chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l. .....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -25.00
l.c.l. .....ton.25.00 -29.00
gliders, bolted, bgs., c.l...ton.20.00 -24.00
l.c.l. .....ton.21.00 -25.00
extra-bolted, bgs., c.l...ton.22.00 -26.00
l.c.l. .....ton.23.00 -27.00
Paris white, bgs., c.l., ton.24.00 -28.00
l.c.l. .....ton.25.00 -29.00

No "sour" note here—

Paint manufacturers who value highly the good reputation of their products, select raw materials with as great care as the maestro of a great orchestra selects his musicians. That is why TITANOX pigments are to be found in so many white and tinted coatings. They never produce a "sour" note. They are reliable.

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Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works..ton. 6.00 - —
smaller lots, N.E., wks. ton. 7.00 - 9.00
wet-grd., air-floated, 300 mesh, 99¾%, bgs., c.l..ton. 9.35 -10.10
200 mesh, bgs., c.l.....ton. 8.60 - 9.50
90%, bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.13.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.16.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, bls.....lb. .18 - .19
rossed, green, bls.....lb. .26 - .28
Wild indigo root, bls.....lb. .18 - .19
Witch-hazel extract, dist., NF, bbls..gal. .70 - .75
Leaves, bls.....lb. .14 - .15
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N.Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .25
Levant .....lb. 4.50 - 4.75
Wormwood, bls.....lb. .50 - .55

X

Xanthorrhiza, bls.....lb. .25 - .30
Xylene (see Xylol).
Xylol[6] (xylene), indus. drms. returned, works..gal. .32 - —
Xylol (xylene), indust., tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
West, Minnequa, Col....gal. .27 - —
10°, drms., return, works....gal. .35 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .30 - —
5°, drms., return, works....gal. .42 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .37 - —
8°, drms, return, works....gal. .47 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .42 - —
Xylol petroleum solvent, ret. drms., Nc. N. J.....gal. .26 - —
Xylidin, mixed, drms.....lb. .35 - .36

Y

Yara yara, cryst., bots., cns...lb. 1.75 - 2.30
Yeast, brewer's, dry, 50 B units, drms..lb. .35 - —
90 B units, drms.....lb. .45 - —
200 B units, drms.....lb. .50 - —
300 B units, drms.....lb. .60 - —
Yellow, barium chromate, C.P., bgs., l.c.l., dlvd. N. of Tenn. and N. C. E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .22 - —
Barium chromate price differentials on deliveries in the various other State and city zones are the same as those for chrome yellow, which are set forth below.
Benzidin, bbls., dlvd.....lb. 1.35 - 2.25
Cadmium, CP, import, bxs...lb. 1.35 - 1.40
Chrome CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .16 - —
Chrome yellow prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .08 - .11
Hansa, bbls., same basis as chrome..lb. 1.37 - —
primrose, bbls., same basis.lb. 1.75 - —
Lithopone, bbls., ton lots, E. of Rockies..lb. .55 - —
smaller lots, same basis..lb. .65 - —
sulphide, orange, cs., kgs., works..lb. 1.10 Nom.
Mercury oxide, bbls., 1,000 lbs. lb. 1.83 - —
smaller lots.....lb. 1.85 - —
Ocher, American, golden, bbls., works..lb. .04½- .06¼
yellow, bbls., works.....lb. .03 - .03¾
French type, bbls., c.l....lb. .0345- —
l.c.l. .....lb. .0365- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, Pa..lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth, bbls., c.l., works....lb. .07 - —
l.c.l., works.....lb. .071 - —
Persian orange (see O).
Zinc,[6] bbls., same basis as chrome..lb. .15 - —
Navy spec. type, bbls., contracts..lb. .15 - —
Yellow dock root, bls.....lb. .38 - .44
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .25 - .27
Yohimbine hydrochloride, vis..oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs., works..lb. .25 - —
smaller lots, works.....lb. .30 - —
Zinc acetate, tech., bbls., dlvd.lb. .16 - .17
USP, bbls., 250 lbs.....lb. .26 - .27
kgs., 100 lbs.....lb. .29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .13¼
l.c.l., same basis.....lb. .12¼- .13¾
Borate, bgs., c.l.....lb. .12 - —
l.c.l. .....lb. .12½- —
Carbonate, tech., rubber makers' grade, bbls., works..lb. .09¾- .10¾
USP, precip., powd., bbls..lb. .35 - —
drms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, drms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., drms., c.l., works..... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
USP, drms.....lb. .30 - .31
jars .....lb. .35 - .36
solution, 50%, drms., c.l., works lb. .0315- —
l.c.l., works.....lb. .04¼- .04¾
tanks, works.....lb. .0250- —
Chromate (see Yellow, Zinc).
Cyanide, kgs., works.....lb. .33 - .37
Dust,[6] bbls., c.l., dlvd.....lb. .1035- —
l.c.l., works.....lb. .1135- —
Fluoride, bbls.....lb. .25 - .30
Hydrosulphite, drms., works.lb. .16 - —
Iodide, NF, bots.....lb. 4.65 - 4.75
jars .....lb. 4.40 - —
Laurate, bbls.....lb. .32 - .35
Metal,[1,6,8] (quotations in Protective Coatings market report).
Zinc naphthenate, 8%-10% Zn, 50-gal. drms..lb. .16 - .19½
Oxide, pigment, dom., acicular,[6] bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
American process, com'l, lead free,[6] bgs., c.l., dlvd. lb. .07½- —
l.c.l., dlvd.....lb. .07½- —
leaded, 5%, bgs., c.l., dlvd. lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
35% or more, bgs., c.l., dlvd. lb. .07 - —
l.c.l., dlvd.....lb. .07¼- —
French process, com'l, lead free,[6] bgs., c.l., dlvd...lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
green seal, bgs., c.l., dlvd., lb. .09 - —
l.c.l., dlvd.....lb. .09¼- —
red seal, bgs., c.l., dlvd.lb. .08½- —
l.c.l., dlvd.....lb. .08¾- —
white seal, bgs., c.l., dlvd. lb. .09½- —
l.c.l., dlvd.....lb. .09¾- —
USP,[6] 50-lb. ctns., c.....lb. .10½- —
l.c.l. .....lb. .10¾- —
Zinc oxide Pac. coast prices ½c. higher. Bbl. prices ½c. higher than bgs.
Resinate, 8.7% Zn, 100-lb. drms. lb. .14½- —
fused, pale, bbls.....lb. .11 - .12
precipitated, drms., dlvd....lb. .15 - —
Silicofluoride, bbls.....lb. .15 - .16
Stearate, tech., ctns., c.l., frt. equald..lb. .29 - —
ton lots, frt. equald...lb. .30 - —
smaller lots, frt. equald.lb. .31 - —
USP (same prices as tech.).
Sulphate, cryst., bgs., c.l., works, frt. alld..100 lbs. 3.40 - —
l.c.l. .....100 lbs. 4.15 - —
Zinc sulphate, flake, bgs., c.l.... 100 lbs. 3.80 - —
l.c.l. .....100 lbs. 4.55 - —
powd., bgs., c.l.....100 lbs. 5.35 - —
l.c.l. .....100 lbs. 6.10 - —
Zinc sulphate in bbls., 25c. higher.
Sulphide,[1,6] pure, bgs., c.l., dlvd..lb. .08¼- —
l.c.l., dlvd.....lb. .08½- —
bbls., c.l., dlvd.....lb. .08½- —
l.c.l., dlvd.....lb. .08¾- —
barium pigment, bgs., c.l., dlvd..lb. .0560- —
l.c.l., dlvd.....lb. .0585- —
calcium pigment, bgs., c.l., dlvd..lb. .0560- —
l.c.l., dlvd.....lb. .0585- —
fluorescent, pigment, works, frt. alld..lb. .90 - 1.00
magnesium pigment, bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Zinc sulphide Pac. coast prices ¼c. higher. Bbl. prices ¼c. higher than bgs.
Sulphocarbolate, NF, bbls., drms., lb. .28 - .31
Tallate, 5% Zn, 50-gal. drms.lb. .09¾- —
Yellow (see Yellow, zinc).
Zinc-ammonia chloride, drms., c.l., works..100 lbs. 5.65 - —
l.c.l. works.....100 lbs. 6.70 - —
Zinc-cadmium sulphide, fluorescent, works, frt. alld..lb. 2.50 - 2.85
Zinc-iron oxide pigment, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd. E. of Rockies. lb. .06¼- —
dlvd. Pac. cst.....lb. .06½- —
ex whse., Pac. cst....lb. .07 - —
Zirconium hydride, cns., works. lb. 7.00 - 8.00
Nitrate, kgs., works.....lb. 3.00 - 4.00
Zirconium oxide, crude, 70-75%.. grd., bbls., works..ton.75.00 -100.00
white, 98%, grd., kgs., works. ex whse., Pac. cst....lb. .07 - —
lb. 1.80 - 2.00

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in OPD for November 6.

Trade Briefs

Fiske Brothers Refining Company's warehouse in Newark, N. J., was damaged by a $150,000 fire last week.

Charles R. Wheeler has been named field service representative for the Pennsylvania Grade Crude Oil Association.

Socony-Vacuum Oil Company and its affiliated companies plan an overall contribution of $150,000 to the National War Fund.

H. F. Wilcox Oil & Gas Company, Tulsa, stockholders have voted to change the name of the concern to the Wilcox Oil Company.

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Today, War and non-War manufacturing has emphasized the ever-increasing uses and possibilities of the element ZIRCONIUM and its compounds in industry. TAMCO Zirconium compounds are being used successfully in the manufacture of Refractories, Electrical Resistors, Resins, Dye Extenders, Water Repellents, Catalysts, Abrasives, and Ceramics.
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Zirconium Stearate
Zirconium Palmitate
Zirconium Carbide
Zirconium Cyanonitride
Zirconium Silicates
Zirconium Double Silicates
Zirconium Oxides
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Zirconium Oxide Refractories
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"And Freedom's banner streaming o'er us"

Oil, Paint & Drug Reporter

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Hazardous Apathy

Pharmacal service had no part in the New York Board of Trade medical care forum last week even though the Drug, Chemical and Allied Trades section of the board was a joint sponsor of the event. The other sponsor was the Insurance section—and there was a speaker for the insurance industry. Pharmacal service was put in an emphatically minor role in medical care by a speaker for a local medical society.

Because of the re-election of President Roosevelt and Senator Wagner, medical care is going to loom large among political agenda. The drug industry cannot afford to be apathetic. The National Drug Trade Conference has a big job on its hands.

—O-P-D—

Pan-American Problems

It is logically argued that the United States and all the other republics of the Americas must agree to the request of Argentina for a consultative meeting of their foreign ministers. The logic lies in the fact that such is the dictation of the Pan-American entente originated at the Buenos Aires conference in 1936. The reasonableness of this position is well founded in the democratic principle of a day in court.

It is not argued openly that Argentina's trade is worth developing. Much can be said from that angle. But, the commercial aspects of relations with that country must await orderly determination of its attitude toward its inter-American commitments. Politics should have, at most, a minor place in the deliberations, but the possibility of sidedoor—drainpipe—evasion of the Monroe Doctrine must not be overlooked.

The people of any nation of the Americas have an unquestionable right to determine for themselves the sort of government they want. The peoples of all the other nations have an equal right to say how they will deal in international relations with whatever be the selected government. Consultations under the Pan-American entente have no connotations of diplomatic or commercial relations. Those stand on other grounds. And all too often their resting place, especially the commercial, is camouflaged out of all resemblance to all the surrounding terrain—to many there is, in business, no enemy.

It would not necessarily be wise that any Pan-American consultation on the Argentine question be in open session: there are many places where secrecy of procedure is as desirable as it is in the functioning of a grand jury. The full findings of fact must, however, be made available to the world along with the decision which they influence. It is most essential to the future of satisfactory commercial relations among the nations of the Americas that all closet doors be open, skeletons or not. Too much of the unknown has always been a detrimental influence, even when the ignorance has been voluntary and desired.

As long as the full Pan-American status of Argentina remains uncertain in any respect, the unsettlement will be a drag on commercial relations between the United States and Latin America as a whole. Blood still counts high among influential factors. When the question has been settled, no matter in which direction, there still will not be on either side the confidence that should exist or the understanding which alone could make it possible. Remedying of that fault belongs to the businessmen of the several nations. And when the Argentine question has been disposed of, it will be necessary and it will be wise for the businessmen of all the American countries to arrange a series of consultations of their "foreign ministers" to the end that the unequaled natural and fabricated resources of the Western Hemisphere be most usefully distributed.

—O-P-D—

Look Homeward, Business

The business representatives of the United States should have something, yes, much, more in mind than development of bigger markets for its goods when they take part in any conclaves of the various American nations, or any others. Better markets always pay more than bigger markets, and it is a long, almost forlorn hope that United States manufacturers could compete profitably in world markets in the classes of goods of which volume is mainly composed. They have never been able to supply more than a small part of these voluminous commodities in their own country. Let them look for markets bigger in value, yes; but not for mere bigness—especially of the kind they picked up after the previous war.

Those who profess to have studied the many angles of developing postwar export markets for United States goods all over the world lay great stress on the necessity that the government make and guarantee foreign loans on favorable terms. They set an export trade goal of $14,000,000,000 as necessary to take the place of lend-lease shipments. That amount of money "is not hay"—but, what would it cost? We—that is, the people of the United States—make the goods; we lend the dollars with which the other fellow pays for them. If experience in the early 1920s is any criterion, we should stand to lose both of them.

The arguments about how big an export trade is necessary to maintain manufacturing and other production in the United States at what is reasonably acceptable as the basis of a desirable economic situation, look too far away. Half as much effort and far, far less subsidizing would produce more profit from domestic markets previously poorly served. For one thing, there is profitable reaping to be done where subsidy has already sown. The $12,000,000,000 which is in the pockets of the farmers of the United States now is worth to the other industries of the country much more than any $14,000,000,000 worth of loanfed export trade possibly could be.

Farmers' buying is not going to make a postwar boom. Neither is the spending of any other group or the people as a whole. For every hundred who are talking booms—booms in building, in vacationing, in traveling, in automobile buying, in all sorts of things—only one solid citizen is seeing that the biggest thing that will come before business after the war will not be how to take care of this boom or that, but how to put enough bomb into selling to make people buy. Booms and governmental bolstering should be forgotten—they never turn out good in the end—and businessmen should get down to figuring out how they can sell what they can make in the face of the lot of money-losing, inexperienced competition which will come out of the popular proposal that every demobilized soldier become a small business.

—O-P-D—

Chemistry Is Hurt

The untimely and unfortunate death of Dr. Thomas Midgley, jr., robs American chemistry of a man it ill could afford to lose. His influence in the science, in its technologic development, and in its ultimate commercial application lay in a direction to which all too little attention is given.

Perhaps it was because he primarily was an engineer that Doctor Midgley, while not unappreciative of the value of pure science *per se*, recognized and advocated that the practical application of chemistry was the major criterion of its value. He was a believer in the pertinence of service to mankind as a guiding star in human endeavor.

There was much in the professional philosophy of Doctor Midgley that held but little, if any, with the tinge of alchemical mystery by which much of the public aspect of chemistry, even in its commercial application, is characterized. He was one of the relatively few leaders in chemical realms, most of them with more or less prevalent grounding in engineering, who feel that less fantasy and more fact would get the achievements of applied chemistry a better and useful public understanding. He was one of those who believe that mysterious references to strange worlds, the marvels of little marbles, weird transubstantiations, and such things lead to public conceptions of chemistry's contributions to human progress as exaggeratedly camouflaged in value.

Chemistry, as a science and as a servant of civilization, needs many men of the modest hard-headedness of Tom Midgley, men with whom useful achievement counts for far more than academic appendages and cloistered concentration. It has lost one of the best of these. Its hurt is deep.

PENICILLIN PFIZER

SINCE Penicillin is administered mainly by injection it is of the utmost importance that the finished product be sterile and free of any toxic or pyrogenic substances. In the Pfizer Penicillin plant rigorous tests are made not only of the finished drug but at various stages of the process to insure that these requirements are met.

In the case of many pharmaceutical products where sterility is necessary, this can be accomplished by heating the finished product to a temperature sufficient to destroy all possible contaminating organisms. Penicillin, however, is itself destroyed before such temperatures are reached and accordingly, this simple means of sterilization cannot be employed. Instead, during the final stages it must be handled under aseptic conditions equal to those employed in the operating room of the most up-to-date hospital. The gowns, masks, gloves, and shoe-covers worn by the operators are heat-sterilized; all equipment coming in contact with the Penicillin is washed with pyrogen-free distilled water and sterilized before use, as are the stoppers and vials used for the finished product; the walls, ceilings, and floors are washed with an antiseptic solution at frequent intervals; and the air supplied is first filtered and treated with ultra-violet light.

As a result of these precautions Pfizer Penicillin meets the rigorous Pfizer and official requirements for quality and potency. That such painstaking care need not interfere with large-scale production is evidenced by the fact that Chas. Pfizer & Co. is the world's largest producer of Penicillin.

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Heavy Chemicals

Latest figures released by the Chemicals Bureau of the War Production Board show a well sustained production of industrial chemicals and also a relatively low state of inventories. Last week, additional color featured some of the major heavy chemicals by the placing of considerable contract tonnage covering requirements over 1945. This included, the ammonias, soda ash and soda caustic. The general movement has not varied much from former lines. Government withdrawals combined with a heavy civilian demand have been influences bucking the building up of reserve stocks and in most directions buying conditions have remained definitely tight.

Trade reports indicate that oxalic acid output of some major producing plants has been sold into February. The manufacture of high octane gasoline has taken care of most of the output of hydrofluoric acid. Government shipyards have accounted for the copper oxide output, while copper carbonate has flowed freely into government channels for mildew prevention. Slight easement was reported in the position of phosphorus, but this was considered temporary. Soda cyanide contracts have been quoted over 1945 at 14½c. to 15c. a pound, the same as in 1944. The government was reported taking plenty of antimony oxide for flame proofing use while production was restricted by manpower shortage.

Paper production as a percentage of six-day capacity was 94.1 in the week ended Nov. 4, according to the American Paper & Pulp Association. This compares with 92.7 in the previous week and 89.9 percent a year ago.

Production and supply figures used in some of the following market reports were released by the Chemicals Bureau of WPB.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
169.0	169.0	169.0	170.6

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

Calcium Acetate—August production was reported as 856,000 pounds, compared with 602,000 pounds in July. Stocks at the end of August were 239,000 pounds, against 240,000 pounds at the close of July.

Calcium Hypochlorite — Output in August amounted to 1,180,000 pounds, compared with 1,091,000 pounds in July. Supplies at the end of August were 583,000 pounds, against 589,000 pounds in July.

Calcium Phosphate — August output was reported officially at 5,999,000 pounds of monobasic, against 4,472,000 pounds in July. Stocks on August 31 were 5,899,000 pounds, compared with 5,846,000 pounds at the end of July.

Chlorine — Production measured up to 104,074 tons in August, against 106,657 tons in July. Stocks at the end of August were 4,812 tons, compared with 6,028 tons at the close of July.

Magnesium—Virgin magnesium production in August dropped to 24,994,000 pounds, 17 percent below July and about 40 percent below the peak of January, 1944, according to data released by WPB. The decline again reflected government-ordered curtailment of DPC-owned plants, and is expected to continue through the remainder of the year.

Manganese Sulphate—Supply situation was reported tight, with demand measurably ahead of production. Shipments are weeks behind schedule in many instances. Bureau of Mines, Washington, D. C., has offered for free distribution a copy of the publication, report of investigations 3681, "Manganese Investigations—No. 19, Studies in the Electrodeposition of Manganese."

Potash Caustic — August production was slightly above that of July. The total was 3,771 tons, compared with 3,485 tons in July. Stocks at the end of August were placed 1,638 tons, against 1,775 tons at the end of July. The present supply situation has not relaxed from its former tight condition.

Soda Ash — Production of finished light ash for the month of August was given as 194,278 short tons, compared with 201,828 tons in July. Stocks at the close of August were 22,822 tons against 32,119 tons at the end of July. Output of finished dense ash in August was 124,120 short tons against 121,159 tons in July. Stocks at the end of August were 13,623 tons, compared with 9,618 tons at the end of July.

Soda Bicarbonate—August production amounted to 12,112 tons against 11,803 tons in July. Stocks at the close of August was 4,744 tons compared with 5,361 tons at the end of July.

Soda Caustic—Output of liquid by the electrolytic process for August amounted to 101,084 tons, compared with 103,433 tons in July. Stocks at the end of August were 38,314 tons against 37,760 tons at the end of July. Production by the lime ammonia process was 57,507 tons in August, against 58,113 tons in July. Stocks on August 31 were 13,447 tons compared with 12,886 tons at the end of July.

Soda Cyanide — Contracts covering 1945 requirements were named at 14½c. to 15c. per pound, the same prices that prevailed throughout this year.

Acids

Hydrofluoric—Supply situation reported definitely tight under reduced production and an exceedingly heavy demand for use in the manufacture of high octane gasoline. While producers are making efforts to cover essential requirements of regular consumers, they are not in a position to accept new business under present circumstances.

Muriatic — Production for August was placed at 31,711 tons against 32,325 tons in July. Stocks at the close of August were 2,917 tons compared with 3,117 tons at the end of the previous month.

Nitric—August output amounted to 38,471 tons compared with 38,974 tons in July. Stocks at producing plants at the end of the month were 6,189 tons against 6,795 tons at the end of July.

Phosphoric—There were 51,354 tons of 50 percent H_3PO_4 manufactured in August against 57,324 tons in July. Stocks at the close of the month were reported at 13,869 tons, compared with 14,383 tons at the close of July.

Sulphuric — Chamber process production during August amounted to 260,777 tons against 249,775 tons in July. Contact process was placed at 513,970 tons, compared with 499,606 tons in July. Stocks by this process at the close of August were 202,302 tons against 218,811 tons at the end of July. No appreciable improvement in market conditions were reported. Heavy demand has kept the buying situation tight with small lots apparently in a more favorable position for shipment than round lot quantities.

Baltimore, Nov. 10.—Sulphuric acid production has been proceeding, though continued operation of plants has caused deterioration of the equipment, much of it due to the permeation of smoke, with the result that output of acid is materially lessened, falling under the estimated original capacity, and below the requirements of the government. To stop operations and correct the curtailment will take time, calculations showing that the shut-down will cause a larger loss in output than to go ahead with at the slower rate, but with a point being finally reached where the effect of the delayed overhauling overbalances the period of the shut-down. Meanwhile the ceilings stand at the top price realized by producers in March two years ago, with no further intimation of government intent to establish a uniform ceiling. The prevailing differences are not deemed important enough to risk unsettlement of the acid situation by imposition of a uniform ceiling.

Insecticides

Calcium arsenate production in August amounted to 4,673,000 pounds,

For Current prices see alphabetical listing beginning on page 9.

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compared with 8,228,000 pounds in July. Stocks at the end of August were 13,392,000 pounds against 12,081,000 pounds at the end of July.

Regarding the supply outlook for insecticides, it was pointed out that stocks of nicotine sulphate will depend on exports, availability of raw materials and domestic requirements. Under the fumigants, the supply of methyl bromide was reported adequate and the same was true of chloropicrin. Prospects for a sufficient stock of carbon bisulphide were considered fair while carbon tetrachloride is under allocation. In other directions, there was no sign of easement in paradichlorobenzene and probably well not be until there is some permanent loosening up in the basic material. There appeared to be plenty of cryolite and sulphur available.

Department of Agriculture revised pink bollworm quarantine and regulations on November 9 to add to the regulated area several counties in Southern Texas and to classify as heavily infested four Texas counties and parts of two others in the lower Rio Grande valley that were heretofore considered as lightly infested.

Trade Briefs

Marcus O. Orr has been named technical superintendent of mill No. 4 of the B. F. Goodrich Company, Akron, Ohio.

McClintock Laboratory Corporation has been organized in Los Angeles, with a capital of $100,000. Directors are:—John H. Baird, Ben G. Shire and Harry C. Renwick, all of Los Angeles.

Reynolds Metals Company, New York, has arranged a $25,000,000 VT loan to provide or replenish working capital for war production and war contract termination purposes.

John B. Girdler, for four years sales representative of the Vanadium Corporation of America, New York, has been made sales manager of its Eastern district.

Samson Chemical & Sales Company is the firm name under which Bernard L. Samson has published a certificate that he is conducting business at 1425 South Flower street, Los Angeles, Calif.

Colors & Chemicals, Inc., is a new corporation in Los Angeles county, with a capital of $200,000. Directors are:—Edward W. Bertram, Fred Moldenhauer and Ernest C. Bertram, all of Glendale, Calif.

Parkview Laboratory is the firm name under which Solly Klein and Joseph J. Posell have published a certificate that the are conducting business at 1021 North Hoover street, Los Angeles, Calif.

Magnesite marketing and that of allied products are discussed by C. L. Harners and Nan C. Jensen in the January, 1944 (published in October) number of the *California Journal of Mines and Geology.* World production data and a directory of possible buyers are included. The *Journal* is published quarterly, at $2 a year, by the Division of Mines, Department of Natural Resources. Ferry building, San Francisco.

Albrecht to Address Restaurateurs on Sanitation

Kurt Albrecht, of the research staff of Calgon, Inc., Pittsburgh, Pa., will speak before the Ohio State Restaurant Association in Columbus, O., November 14 on "Sanitation in Mechanical Dishwashing." The restaurateurs will convene at Ohio State University.

Dye to Manage Dome Mines

J. H. Stovel has resigned as general manager of Dome Mines, Ltd., effective March 1, 1945, when he will be succeeded by Robert E. Dye, who has been assistant general manager since 1935. Stovel will continue as managing director of Dome Mines and subsidiaries in the capacities of vice-president and director.

Calif. Chemical Ass'n Golf

Chemical Salesmen's Association of California will hold its final golf tournament at the Olympic Club, Lakeside Course, San Francisco, November 10.

Buy War Bonds

Hercules Names Boston Chemical Manager

Paper Makers Chemical Department of the Hercules Powder Company has appointed Lauriston E. McKenzie as manager of the industrial chemical division in Boston. He succeeds Wistar M. Wililams, resigned.

Herstein Laboratories Moves

The Herstein Laboratories has removed to larger quarters in 23 West Forty-seventh street, New York. Karl M. Herstein, president of the company, has been a consulting chemist for twenty-seven years, specializing in process development, industrial research, and the preparation of rare reagents. He is the author of the book, "The Chemistry and Technology of Wines and Liquors."

Steel Barrel Output Off

Production of heavy steel barrels and drums in September, 1944 was 1,394,089 compared with 1,611,052 for August, 1944, and 2,583,570 for September, 1943, according to the Bureau of Census. Shipments were 1,390,274 for September, 1944, as against 1,618,886 for August, 1944 and 2,578,450 for September, 1943. Stocks at the end of the month totaled 46,524. Output of light type steel barrels and drums in September, 1944, reached 413,696 compared with 536,166 for August, 1944 and 376,907 for last year. Shipments were 417,462 for September, 1944, compared with 530,291 for August, 1944 and 367,473 for September, 1943, while unfilled orders at the end of the month were 23,317.

Western Electrochemical Control with DPC Raised

Western Electrochemical Company, Los Angeles, Calif., has increased its contract with the Defense Plant Corporation, to provide additional plant facilities, in Los Angeles, at a cost of approximately $1,200,000, resulting in an overall commitment of approximately $1,800,000. Western Electrochemical will operate these facilities, title remaining in Defense Plant Corporation.

Philipp Bros. Relocates Baltimore Office

Philipp Brothers, Inc., New York, has moved its Baltimore offices to the Emerson Tower building. The office will continue under the management of Fred S. Mueller.

Du Pont Fabrics Div. Personnel Revamped

E. S. Nickerson, assistant division manager and director of sales of the fabrics division of the E. I. du Pont de Nemours & Co., Wilmington, will relinquish his sales responsibilities in order to devote his entire time to managerial duties.

M. N. Nickowitz, previously Fairfield products sales manager, will become director of sales, succeeding Mr. Nickerson.

J. R. Owens, who has been serving as special assistant to the director of sales, is appointed Fairfield products sales manager. The products included in Mr. Owens' new sales activities are fabrics coated with synthetic rubber and resins, manufactured at the Fairfield, Conn., plant, and "Texon" saturated fiber base material made at Russell, Mass.

Carborundum Co. Names Eastern Sales Manager

W. T. McCargo has been named eastern regional sales manager of the Carborundum Company. He succeeds F. Jerome Tone, jr., who has been named vice-president in charge of sales.

Diamond Chlorine at war

helps America's Victory Drive!

Chlorine Helps Make Bombers
In building a bomber, approximately one ton of Chlorine is used—in electric wire insulation, in plastics, for cooling motors, in cleaning metal parts during manufacture.

For Smoke Screens
Chlorine is used as an ingredient in the manufacture of smoke screen materials, widely used by ground and air forces as well as in naval warfare.

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The best decontamination agents developed to date are Chlorine compounds. Uniforms and equipment are thus protected against war gas, and also decontaminated after exposure.

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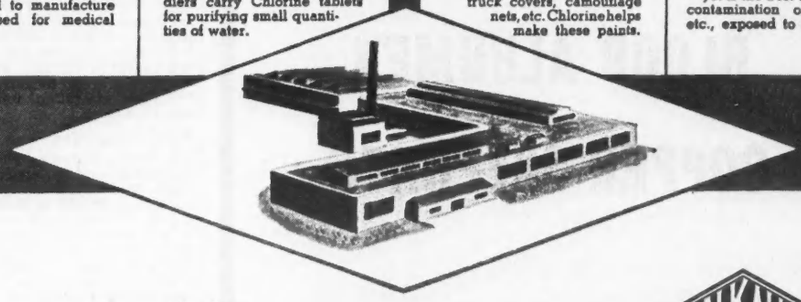
In the tremendous and exacting job of providing dyes for uniforms and clothing, as well as for other fabrics, Chlorine plays an important part.

Medical Supplies Use Chlorine
In the preparation of the life-saving Sulfa drugs, Chlorine is part of the product. Chlorine is used to manufacture bromine, used for medical purposes.

Field Water-purifying With Chlorine
In the field, portable chlorinators have proved of great value. In addition, our soldiers carry Chlorine tablets for purifying small quantities of water.

Flame-retarding Paint
An important and timely development has been flame-retarding paint and coatings for tents, tarpaulins, gun and truck covers, camouflage nets, etc. Chlorine helps make these paints.

Chemical Warfare
The versatility of Chlorine is demonstrated by the fact that it is required in all war gases—yet is the best agent for decontamination of materials, etc., exposed to these gases.



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Chicago Chemical Show

—Continued from page 7

Glyco Products Co.—New materials shown include "Ural" resin A, a stable water-soluble urea formaldehyde resin which comes in the form of a heavy liquid; "Glycaid," a non-ionic surface active agent which is used as a dye assistant and leveling agent; and "Acrawax C Dispersion S 891" which is a 33 1/3 percent stable dispersion of the high melting point synthetic wax "Acrawax C" manufactured by this company.

Victor Chemical Works.—Exhibit stresses four of company's most important products; namely, phosphoric acid, phosphoric anhydride, phosphorus oxychloride, and phosphorus trichloride. Also shown are thirty-five or more new products developed in company's research laboratories, covering plasticizers, wetting agents, emulsifiers, cationic agents, and other organic phosphates.

National Starch Products Company.—Five panel display features how corn starch is made. Of special interest will be panel devoted to its synthetic resin adhesives, which have found wide usage in war industries and hold considerable promise for postwar future.

Bemis Brothers Bag Company.—Multiwall paper bag designed to withstand long periods of out-of-doors storage to be shown resisting rainfall device; also new "Aquatex" closure for multiwall paper bags.

Johns-Manville Corporation. — Information to be available on the use of "Sorbo-Cel," a high flow rate filter-aid material, used for removing oil from the steam engine condensate intended for return to the boilers, the presence of which would cause foaming, priming and hot spots. Used on U. S. ships clearing the seas of submarine menace.

Bareco Oil Company.—Will exhibit Microcrystalline Waxes used in packaging and protection of ordnance material, field rations and electrical equipment.

Mallinckrodt Chemical Works.—Demonstrating use of pyridylmercuric chloride, acetate and stearate, a series of new organic mercurial fungicides. Major interest in fungicidal compositions and treatments is displayed by the armed forces, particularly, in the tropics where prevailing temperatures and humidities ideally favoring fungal growth cause staggering losses of material from the mildew and rot.

Ordnance Ass'n Opposes

—Continued from page 3

United States Army, in favor of free competitive research. After recalling the difficulties of obtaining adequate appropriations from Congress for research work in peametime, Gen. Campbell said:

Armament research and development for victory now, and peace in the years to come, can best be carried forward by the scientific, technical, and industrial establishments of our country. Armament progress needs the impetus of free competitive research. It will never be at its best under bureaucratic control, but will thrive only when the brainpower of our nation at large is given to the task.

Fertilizer Plan

—Continued from page 3

government ownership and operation for possible future military needs, but meanwhile they should be operated to the benefit of farmers. The others should be turned over to farmer cooperatives for their operation under government supervision.

Superphosphates

A three-point superphosphate program is needed:—(a) A program for government production of sulphuric acid in peacetime should be developed now with a view to continuing and expanding the output now developed as a by-product of explosive and other war plants, since the production of sulphuric acid is the limiting factor in the national production of super-phosphates; (b) all power and resource development legislation in future should carry specific legislative provision for TVA-type phosphate production and use, including provision for electric furnaces for fertilizer manufacture; (c) Western phosphate sources should be developed now through loans to farmer cooperatives, so that the South may not be forced to depend on other sections through premature exhaustion of its deposits.

Mixing Plants

Establishment of a revolving fund of, say, $100,000,000 for loans to cooperatives for small fertilizer mixing plants in every State, and even for several in some States, should be authorized by Congress. Present haphazard practices of shipping some elements of mixed fertilizer far across the country, and then shipping them back as parts of mixed fertilizer, are absurd and have no economic reason.

Plantfood Content

Congress should enact legislation calling for Federal-State cooperation to eliminate as much "filler" as practicable from mixed fertilizer, to the end that farmers may receive more for their money, freight charges be cut, and food purchasers receive maximum nutritional value for their money.

P.I. Bowman Joins Cheplin Laboratories

Philip I. Bowman has joined Cheplin Laboratories, Inc., pharmaceutical manufacturer, Syracuse, N. Y., as production manager. Cheplin Laboratories is a subsidiary of the Bristol-Myers Company.

A graduate of St. John's College and Princeton University with graduate work in chemical engineering at Columbia University, Mr. Bowman holds A.B. and Ph.D. degrees.

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METOL

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(U. S. P. and Technical Grades)

ZINSSER & COMPANY, Inc.
HASTINGS-ON-HUDSON, NEW YORK

BERYLLIUM, *Flake and Cast Bar*
BERYLLIUM OXIDE, *Metal Grade*
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Manufactured by

CLIFTON PRODUCTS, INC.
PAINESVILLE OHIO

Broken Rock
Roll Brimstone
Sublimed Flowers
Rubbermakers
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Dusting
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SULPHUR

MANUFACTURED AT HOUSTON, TEXAS, BY

SOUTHERN ACID & SULPHUR CO., INC.
Office: Rialto Building St. Louis 2, Mo.

WE BUY SURPLUS CHEMICALS

20 Years of Service to

Manufacturers and Consumers Having Excess Stocks of

CHEMICALS DRUGS SOLVENTS
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75 VARICK STREET NEW YORK 13, N. Y.
WOrth 4-5120

PITTSBURGH COKE & CHEMICAL COMPANY

FORMERLY
PITTSBURGH COKE & IRON COMPANY

Manufacturers of Industrial Chemicals

Office: Grant Building
Plant: Neville Island
PITTSBURGH, PENNA.

This change in name is made appropriate by the large growth in the production and sales of industrial chemicals.

The new name more correctly indicates the main sources of profit return and the planned future development of the Company.

SODIUM ACETATE

E. M. SERGEANT PULP and CHEMICAL CO., Inc.
EMPIRE STATE BUILDING Established 1867 NEW YORK 1, N. Y.

MAGNESIUM HYDROXIDE

(Technical)
DRY and SLURRY

PROMPT DELIVERIES UP TO CARLOTS

MICHIGAN CHEMICAL CORPORATION
Main Office and Plant: SAINT LOUIS ➡ MICHIGAN
Eastern Sales Office: 15 Exchange Place, Jersey City, New Jersey

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ORIGINAL PRODUCERS OF
MAGNESIUM SALTS FROM SEA WATER

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MARINE MAGNESIUM PRODUCTS CORPORATION

A dependable source of supply for
MAGNESIUM CARBONATES
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NEW YORK: 260 West Broadway
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FOR STURDY PACKAGING
PQ SILICATE AID: PQ Silicate Adhesive applied to the box flaps closes them as tight as a weld. This verminproof, fireproof mineral glue is ready-mixed, sets rapidly. Now, know ahead of time that your corrugated boxes will reach destination intact. Full information on request.
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Philipp Brothers Inc.
70 PINE STREET, NEW YORK 5
HARTFORD BOSTON PROVIDENCE
PHILADELPHIA BALTIMORE

Chicago Chemical Show

—Continued from page 7

Glyco Products Co.—New materials shown include "Ural" resin A, a stable water-soluble urea formaldehyde resin which comes in the form of a heavy liquid; "Glycaid," a non-ionic surface active agent which is used as a dye assistant and leveling agent; and "Acrawax C Dispersion S 891" which is a 33 1/3 percent stable dispersion of the high melting point synthetic wax "Acrawax C" manufactured by this company.

Victor Chemical Works.—Exhibit stresses four of company's most important products; namely, phosphoric acid, phosphoric anhydride, phosphorus oxychloride, and phosphorus trichloride. Also shown are thirty-five or more new products developed in company's research laboratories, covering plasticizers, wetting agents, emulsifiers, cationic agents, and other organic phosphates.

National Starch Products Company.—Five panel display features how corn starch is made. Of special interest will be panel devoted to its synthetic resin adhesives, which have found wide usage in war industries and hold considerable promise for postwar future.

Bemis Brothers Bag Company.—Multiwall paper bag designed to withstand long periods of out-of-doors storage to be shown resisting rainfall device; also new "Aquatex" closure for multiwall paper bags.

Johns-Manville Corporation. — Information to be available on the use of "Sorbo-Cel," a high flow rate filter-aid material, used for removing oil from the steam engine condensate intended for return to the boilers, the presence of which would cause foaming, priming and hot spots. Used on U. S. ships clearing the seas of submarine menace.

Bareco Oil Company.—Will exhibit Microcrystalline Waxes used in packaging and protection of ordnance material, field rations and electrical equipment.

Mallinckrodt Chemical Works.—Demonstrating use of pyridylmercuric chloride, acetate and stearate, a series of new organic mercurial fungicides. Major interest in fungicidal compositions and treatments is displayed by the armed forces, particularly, in the tropics where prevailing temperatures and humidities ideally favoring fungal growth cause staggering losses of material from the mildew and rot.

Ordnance Ass'n Opposes

—Continued from page 3

United States Army, in favor of free competitive research. After recalling the difficulties of obtaining adequate appropriations from Congress for research work in peametime, Gen. Campbell said:

Armament research and development for victory now, and peace in the years to come, can best be carried forward by the scientific, technical, and industrial establishments of our country. Armament progress needs the impetus of free competitive research. It will never be at its best under bureaucratic control, but will thrive only when the brainpower of our nation at large is given to the task.

Fertilizer Plan

—Continued from page 3

government ownership and operation for possible future military needs, but meanwhile they should be operated to the benefit of farmers. The others should be turned over to farmer cooperatives for their operation under government supervision.

Superphosphates

A three-point superphosphate program is needed:—(a) A program for government production of sulphuric acid in peacetime should be developed now with a view to continuing and expanding the output now developed as a by-product of explosive and other war plants, since the production of sulphuric acid is the limiting factor in the national production of super-phosphates; (b) all power and resource development legislation in future should carry specific legislative provision for TVA-type phosphate production and use, including provision for electric furnaces for fertilizer manufacture; (c) Western phosphate sources should be developed now through loans to farmer cooperatives, so that the South may not be forced to depend on other sections through premature exhaustion of its deposits.

Mixing Plants

Establishment of a revolving fund of, say, $100,000,000 for loans to cooperatives for small fertilizer mixing plants in every State, and even for several in some States, should be authorized by Congress. Present haphazard practices of shipping some elements of mixed fertilizer far across the country, and then shipping them back as parts of mixed fertilizer, are absurd and have no economic reason.

Plantfood Content

Congress should enact legislation calling for Federal-State cooperation to eliminate as much "filler" as practicable from mixed fertilizer, to the end that farmers may receive more for their money, freight charges be cut, and food purchasers receive maximum nutritional value for their money.

P.I. Bowman Joins Cheplin Laboratories

Philip I. Bowman has joined Cheplin Laboratories, Inc., pharmaceutical manufacturer, Syracuse, N. Y., as production manager. Cheplin Laboratories is a subsidiary of the Bristol-Myers Company.

A graduate of St. John's College and Princeton University with graduate work in chemical engineering at Columbia University, Mr. Bowman holds A.B. and Ph.D. degrees.

ALUMINUM FORMATE
Now Available for
PROMPT DELIVERY
21% Solution of
Basic Aluminum Formate
Specific Gravity at 25/25° C —1.160 (20.0° Bé)
Aluminum Oxide (as Al_2O_3) 8%
Formate (as HCOO) 17%
Further information will be sent upon request.
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BRANCH: 180 N. WACKER DR., CHICAGO 6, ILL.

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Commercial Flour
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Lightnin Brand Dusting Sulphur
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Blossom Brand Wettable Sulphur
Mohair Brand Wettable Sulphur
Rubbermakers Sulphur (ground to specifications)
Texas Yellow—Refined Flowers of Sulphur
Sulphur Insecticide Mixtures
Sulphur Calcium Arsenate Mixtures
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Sulphur—Pyrethrum & Rotenone Mixtures
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CLEVELAND: Palmer-Schuster Company
G. S. ROBINS & COMPANY
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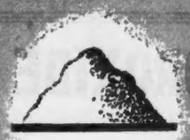
★ ★ ★

NAPHTHALENE

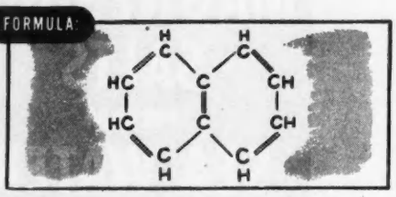


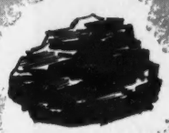
DEFINITION: A crystalline chemical compound of carbon and hydrogen found abundantly in coal-tar. It was early termed "tar camphor."

HISTORY: Naphthalene was discovered in coal-tar by Garden and Brande in 1819 and its chemical constitution determined by Michael Faraday in 1826. It was proposed for enriching water gas in 1862. Use for manufacture of naphthols for the synthetic dye industry commenced about 1873.

$C_{10}H_8$

FORMULA:





SOURCES: Traces of naphthalene occur in certain vegetable products. Some naphthalene has been recovered from specially processed petroleum fractions, but the principal source of naphthalene has always been coal-tar.

CHARACTERISTICS: Pure naphthalene is produced as white crystal flakes or chips which melt at 79.4° C or above. It boils at 218° C. It vaporizes slowly at room temperature. It has a clean penetrating odor; is soluble in benzene, hot alcohol and ether, but is practically insoluble in water. It burns with a smoky flame.

USES: Serves as a moth preventive and insecticide for household, institutional and agricultural use; as a raw material for phthalic anhydride, dyes, waxes, tanning agents, pharmaceuticals and plasticizers.

GRADES: Industrial: 74° and 78° crude in tank cars and barrels: 79.4° refined in tank cars and as chipped, crushed or flake in barrels and multi-walled bags. Household: flake and ball in 16-, 12-, 10-, 8-ounce packages; flake and ball, powdered or rice form, in barrels, bags and 50-pound bulk cases.

NOTE: Deliveries today are restricted by the primary requirements of naphthalene for war uses.

This is one of a series of advertisements presenting information on basic coal-tar chemicals.

Awarded to the men and women of the Barrett Frankford Chemicals plant for excellence in the production of war materials.

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
The Barrett Company, Ltd., 5551 St. Hubert Street, Montreal, Que.

Barrett

Coaltar Chemicals

Progress of the month has not uncovered any factors suggesting easement in the basic coaltar chemicals. The general market reflected the effects of continued heavy withdrawals to support the military effort and a leveling off of materials available for civilian requirements. Along with benzol, toluol and xylol came naphthalene, the latter chemical feeling the propelling effect of government buying in a somewhat indirect manner. Civilian distribution was well adjusted by WPB, the most essential requirements commanding the preference.

Dyestuffs and intermediates have felt the full effect of developments current in basic materials, aside from the difficulty of obtaining sufficient supplies, the manpower shortage has continually aggravated the situation. Regular consumers have remained at the top for shipments, but in many instances sellers have not had the material in sight to increase their backlog with additional orders.

Steel operations for the week beginning November 6, were scheduled at 96.3 percent of ingot capacity compared with 94.9 percent for the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 9.69 percent. The current schedule is equivalent to a production of 1,732,400 net tons of ingots and castings for the week, compared with 1,711,600 net tons for the corresponding week in 1943.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
129.2	129.2	129.2	129.2

Basic Products

Benzol — Heavy withdrawals for military use prevented any improvement in the supply situation and, so far as civilian requirements were concerned, the market continued definitely tight. The unfilled demand from the latter source was fully reflected in the limited production of dyes, intermediates and various other commodities dependent on benzol as a base.

Coaltar — Production maintained around former levels, which suggests that something over 60,000,000 gallons will be turned out this month with about half this amount reaching civilians for burning and manufacturing requirements.

Creosote Oil—While output was reported heavy, opinions in the trade indicated that there will be a broad enough demand over the next six weeks to absorb stocks and leave no excessive carryover at the end of the year. Aside from railroads, there has been a steady demand for government use in processing piling for various projects here and abroad.

Cresols—Conversion of this material into ortho and para has continued at a lively rate, while demand for various consuming uses has shown no indication of easement.

Cresylic Acid — Reported firm for both domestic and imported varieties. Shipments were well regulated by WPB, while inventories were leveled to healthy dimensions.

Naphthalene—Continued to feel the impact of unusually heavy demand for use in the manufacture of phthalic anhydride. The movement in this direction shut off or curtailed shipments through other channels and was reported to be inspired by indirect calls for government use. Only high-rated orders were given recognition, there being no allotments for the packaging of material for civilian moth-proofing requirements, it was said.

Phenol—No decisive tendency to depart from its former position. Enough material was made to satisfy the essential requirements of the chemical, medicinal and other top consuming industries.

Toluol—Maintenance of heavy shipments for military use continued to restrict the amount of material routed into civilian channels. The market was described as definitely tight.

Xylol—Forced into an exceedingly tight position through constant withdrawals for government use. This left a good part of the civilian demand wide open. The war effort was the primary influence and until this subsides, the trade does not expect much easement to the market's condition.

Chicago, Nov. 10.—Movement of the coaltar bases has held up well, with tone good and the price structure still reflecting existence of a generally healthy condition. Benzol call was brisk. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed up to 2c. per gallon, 15c. per gallon; toluol, 2-degree, same basis, 28c.; 10-degree xylol, same basis, 30c.; industrial xylol, same basis, 27c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Cyclohexanone.—While there appeared to be sufficient material to meet current requirements without unusual difficulty, there was no indication of excess stocks. In some quarters the opinion was expressed that the market may remain in a comfortable position over the balance of the year.

Methylcyclohexanone. — Demand was satisfied from current production. Although the supply situation may be described as rather tight, there appeared to be enough material to meet requirements. According to trade reports, the consumption of these solvents in the manufacture of synthetic resins, does not measure entirely up to that of a year ago.

Coaltar Acids

Anthanilic—Reported firm with steady consumption in the manufacture of intermediates, with some reaching the quinone varieties. Available stocks remained low.

Cleve's—Found a steady outlet for specific uses, demand being sufficient to absorb the major part of output.

Fumaric—Continued tight but meeting specific essential requirements. Production not sufficient to improve supply position.

Maleic—Production found steady outlet with the synthetic resin manufacturers well represented in the movement. Shipments remained under WPB allocation.

Picramic—Production reported consumed for dyes and intermediates with some going into plastics and cements. Enough material to meet essential wants.

Salicylic Technical—Fair miscellaneous demand reported with production sufficient to cover requirements but not enough to build up reserve inventories. Prices firmly sustained at former levels.

Other Intermediates

Anilin Oil—Demand for use on the manufacture of rubber, chemicals, dyestuffs and pigments continued to overrun current production. Under such conditions there was no chance of easement in the market's supply position.

Benzidin Base—Material moved out about as rapidly as produced to regular consumers. Short supplies held market tight and firm.

Diethylanilin—Passed rapidly into regular consuming channels under a pressing demand. Shortage of available basic material holding output down.

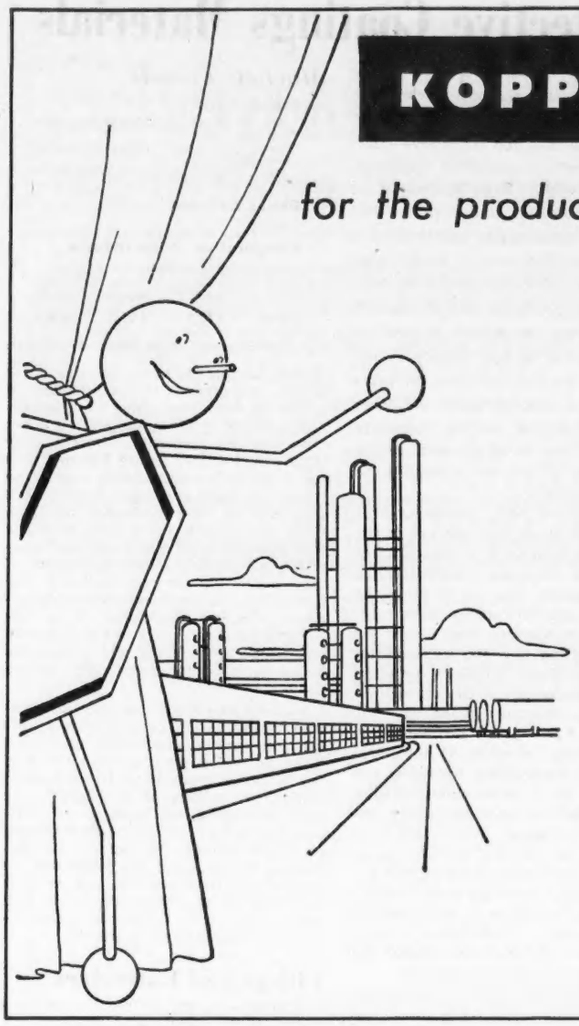
Diphenyl—Consumption in manufac-

Coke By-Products

Estimates of by-product coke-oven operations in the week ended Nov. 4, indicate the following output of by-products from that source:—

Ammonia sulphate	lbs.	37,623,434
Phenol	lbs.	2,143,107
Coaltar	gals.	14,406,141
Creosote oil	gals.	761,994
Naphthalene	lbs.	1,607,330
Phenol	lbs.	214,311
Toluol	gals.	738,181
Xylol	gals.	166,686

For Current prices see alphabetical listing beginning on page 9.



KOPPERS *enlarged facilities*

for the production of

Pyridine bases

(TAR BASES)

make available increased quantities of pyridine; alpha picoline; mixtures of beta picoline, gamma picoline, and 2,6 lutidine; 2,4 lutidine; close boiling fractions boiling within the ranges of 160-200°C. and 200-230°C.; quinaldines; and fractions boiling above 250°C.

Pyridine bases are used in the production of pharmaceuticals including the sulfa-drugs, nicotinic acid and nicotinic acid amide; as solvents; as sources of copolymerizing materials for synthetic rubber; in the manufacture of textile waterproofing compounds and in compounding pickling inhibitors.

The greater availability of these pyridine bases should encourage the development of many other uses for them. Koppers will be glad to furnish samples of these bases and will assist in the selection of suitable grades for specific purposes. Request samples from Koppers Co. Inc., Tar and Chemical Division, Pittsburgh 19, Pa.

KOPPERS

THE INDUSTRY THAT SERVES ALL INDUSTRY

ture of dyestuffs absorbing production. Movement routed mostly to regular consumers.

Monochlorobenzene—Reported firm and scarce. Shortage of available basic material having a restricting influence on output while consuming demand showed no signs of easement.

Phthalic Anhydride—Heavy shipments for use in the manufacture of synthetic resins were reported with dyes, chemicals and rubber well represented in the general movement. Allocations seemed well adjusted to output while enough reserve material was held to meet any additional military requirements.

Coaltar Colors

Demand remained active for colors with the movement broad enough to keep available supplies at a low level. Aside from the military call, buying interest improved for colors necessary for the manufacture of Spring fabrics. A seasonal demand was noted for certified colors from the regular consuming trade.

Trade Briefs

American Tansul Company has moved to 1489 Folsom street, San Francisco 3, Calif.

Hilo Varnish Company, Brooklyn, has received the Army-Navy "E" Production Award.

Harmon Color Works, Haledon, N. J., has received the Army-Navy "E" Production award.

Willard T. Davis has been appointed personnel manager of the Rensselaer plant of General Aniline & Film Corporation.

Mineral Mix Products Corporation, New York, has been formed with a capital of 100 shares no par value. Subscribers are E. Daniels, C. Gadinia and E. Bayer.

Avery Adhesives is the firm name under which Ray Stanton and Dorothy Durfee Avery have published a certificate that they are conducting business at 451 East Third street, Los Angeles, Calif.

OCR Functions

—Continued from page 5

which should be provided first as resources become available as a result of cut-backs or other changes in war requirements."

Another change made by the new order makes the Government Division, now operating as a separate unit under the Vice-Chairman for Civilian Requirements, an OCR bureau.

Essential civilian supplies will continue to receive OCR's protection until it is clear that demand and supply are coming into balance, J. A. Krug, WPB Chairman, said in outlining the function that he believes OCR will have to perform in the public interest. Under the new order, OCR will continue to have the following functions in protecting essential civilian supplies:—

1. Seeing to it that sufficient supplies are maintained to meet essential civilian requirements.

2. Seeing to it that the products in short supply are fairly distributed to all parts of the country in accordance with essential needs.

3. After consultation with the industry divisions, certifying to the Office of Price Administration, under the terms of the Vinson directive, those cases in which production is being held up by need for suitable price action.

4. Watching the claims for the export of any short supplies, so as to protect the essential supplies for United States civilian consumers.

Jorge Vargas to Manage Gelatin Products Exports

Jorge Vargas, a native of Costa Rica and a graduate of the Foreign Trade School of the University of Detroit, has joined the Gelatin Products Corporation, Detroit, as export manager. With some 21 years' experience in export trade, he was formerly assistant export manager for Frederick Stearns & Co., and more recently was associated with Sterling Products International, Newark, N. J.

Mr. Vargas is also Honorary Consul for Costa Rica in Detroit.

REPUBLIC TOLUOLS

NITRATION—COMMERCIAL

REPUBLIC STEEL
Reg. U.S. Pat. Off.

ALSO

BENZOLS 1°—2°—90%—Motor

XYLOLS 3°—5°—10°—Commercial

SOLVENT NAPHTHA • AMMONIUM SULPHATE

CRUDE NAPHTHALENE

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL

CORPORATION

General Offices • Cleveland 1, Ohio

BRANCH OFFICES IN ALL PRINCIPAL CITIES

Shipping Points: Cleveland, Ohio • Warren, Ohio • Youngstown, Ohio
Canton, Ohio • Massillon, Ohio • Gadsden, Alabama • Birmingham, Alabama

STEARATES

ZINC
CALCIUM
ALUMINUM
MAGNESIUM

Dependable Deliveries
Unsurpassed Quality

SYNTHETIC PRODUCTS CO.
Established 1917
LONDON RD. & EUCLID AVE. CLEVELAND 12, OHIO

STEARINE PITCH

ANIMAL
COTTONSEED
AIR BLOWN

RE-RUN TO SPECIFICATION
UNIFORMITY OF MELTING POINT, PENETRATION AND COLOR GUARANTEED.

ALLIED Stearine Pitch is *always* uniform.

ALLIED pitches are tailor-made to meet the most rigid of specifications.

Leading manufacturers find that it pays to use ALLIED Uniform Compounds.

ALLIED ASPHALT & MINERAL CORP.
217 BROADWAY, NEW YORK FACTORY: DUNELLEN, N. J.
Agents and Warehouse Stocks in Principal Centers

BALTIMORE Wm. Graham & Co.	CLEVELAND S. S. Skelton	LOS ANGELES Pitts & Loughlin	PORTLAND, ORE. Miller & Zehrung Chem. Co.
BOSTON Mulcahy & Griffin	DETROIT C. W. Hess Co.	NEW ORLEANS E. P. Lastrapes	SAN FRANCISCO E. M. Walts
CHICAGO Fred. A. Jensen	HOUSTON Joe Coulson Company	PHILADELPHIA Loos & Dilworth, Inc.	SEATTLE Carl F. Miller & Co.
CINCINNATI Deeks & Sprinkel	KANSAS CITY John T. Kennedy Sales Co.	PITTSBURGH Jos. A. Burns	ST. LOUIS Harry G. Knapp
			TORONTO A. S. Paterson

Protective Coatings Materials

Though little additional business has been done within the past week in the supplying of paints, varnishes and their ingredients for protective coatings on newly constructed buildings, an unexpectedly large aggregate of painters' materials and supplies has gone into maintenance painting as it concluded its Fall season. Restrictions on the use of numerous paint materials in non-military projects is still holding down operations in civilian channels but it is now widely recognized that the potentialities for marketing these and virtually all other lines of paint and varnish materials, as soon as the governmental agency controls are lifted, are assuming titanic proportions.

Indicative of this immeasureably great potential civilian market is the recent assertion by a spokesman for the Federal Housing Administration that a gigantic job of putting the nation's 37,500,000 homes back into good repair already looms on the horizon, calling for the expenditure of untold millions of dollars for paint and decorating. Along the same lines is a prognostication made by the Bureau of Agricultural Economics on the rich asset position of the farm community, forecasting expected expenditures by farmers alone of fully $1,200,000,000 for new buildings annually for several years following the ending of the war as well as of $650,000,000 annually for deferred repairs and improvements until entirely completed, in addition to $1,000,000,000 for passenger automobiles, trucks, tractors and at least $400,000,000 for household goods and appliances.

OPA has taken steps to tighten pricing controls on some ready-mixed interior and exterior paint products, made up of new or revised material contents by issuing an order making it clear that, when new or additionally revised paint products are being priced, the unit direct cost of the original formula must be used for comparison purposes rather than this cost for a product with previously revised material content.

Metallic Lead and Zinc

Lead pigment makers continue unrestricted in filling their requirements in the corroding grade and other forms of metallic lead required by them, although it is recognized that stocks of this metal are still being heavily drained by the government's requisitionings for war materials. Prices of pig lead have continued unchanged for the week Nov. 3-10 at 6.35c. per pound in St. Louis and 6.50c. in New York.

The American Zinc Institute has reported a rise in zinc stocks during October to a new high-tide mark at 244,209 tons, despite an increase in shipments of 3,000 tons for that month. That organization has likewise recorded a decline in unfilled orders for last month of 2,740 tons. According to the Institute, production in October totaled 68,781 tons, as compared with 66,891 tons for September. Quotations for zinc slabs have remained unaltered for the week Nov. 3-10 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Pigments

Titanium Dioxide — Responding to oft-reiterated requests from the industry advisory committee, WPB has made an amendment to its order M-353, governing the allocation of white pigments, including titanium dioxide, titinated lithopone and all other zinc sulphide pigments, whereby only those rated orders as are accompanied by a military certification are to be treated as valid and filled as preferred orders. This has eliminated all such rated orders as have hitherto been for non-military uses and has made provision for freeing larger quantities of these materials for distribution to the trade. As this amended order only became effective November 4, it has been deemed too early yet to appraise how much more of the white pigments it has released for distribution to the trade.

Zinc Oxide—Scanty supplies of leadfree types, which continue under allocation control, and even of leaded types, to which many former users of the leadfree types have turned when denied allocations of the latter, are still restricting the volume of business that would otherwise be transacted in zinc oxides. In Canada, the Munitions Department has modified its regulations covering the sale of zinc so as to allow unrestricted sale and use of zinc oxide in amounts not exceeding 5,000 pounds a month.

Market Trends

Prices Advanced

Dibutyl phthalate, in tankcars, 0.7c. per lb.
Ester gum, made wholly from gum rosin, ¼c. per lb.
Mica, wetground, white, 1,000 mesh, bgs., 1½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

Fillers and Extenders

Asbestos—A steady movement continues to be noted in Canadian and domestic material. An additional arrival, of 13,750 bags, is noted.

Barytes—Wetground barytes is still in adequate supply but stocks of dryground material continue scanty. An arrival of 4,357 tons of ore has been recorded.

Chalk—A routine movement of both foreign and domestic chalk is still under way. Arrivals of 1,360 bags are noted.

Mica—With the paint trade continuing to buy moderately of dryground, wetground and finely pulverized types of mica scrap, the market has exhibited a strengthening trend. In recognition of the greatly increased cost of the materials and process employed in its production, OPA has authorized the manufacturer of micronized or 1,000-mesh white mica to mark up his prices for this type by 1½c. per pound, making the revised quotation thereon 5¼c. in bags for carload lots and 6¼c. for less than car lots.

Dry and Chemical Colors

Carbon Blacks—Takings of the so-called rubber grades of channel blacks, together with heavy absorption of furnace blacks, by the manufacturers of synthetic rubber tires continue to reach such large proportions as to threaten a complete wiping out of stocks of channel blacks within the next few months, unless manufacturers, under the incentive recently afforded for swelling their output of easy processing blacks, succeed in amplifying their productive capacity sufficiently to compensate for this heavy absorption of supplies. Meanwhile, paint makers continue to buy moderately of the channel blacks out-

Paint, Varnish, Lacquer Sales: September

The value of paint, varnish, lacquer and fillers sold in September, 1944, as reported by 680 establishments to the Bureau of Census, was $52,098,597. Details of sales reported by these establishments, and comparable data for 1943, follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments—Trade-sales of paint, varnish, and lacquer.	Industrial sales—Total.	Industrial sales—Paint and varnish.	Industrial sales—Lacquer.	Unclassified sales reported by 100 establishments.
1944—Sept.	$52,098,597	$25,056,271	$21,673,643	$16,254,484	$5,419,161	$5,368,681
Totals, 9 mos.	472,598,682	228,174,892	197,781,450	147,929,432	49,852,018	46,642,340
1943—Sept.	49,377,171	22,999,550	21,639,273	16,233,085	5,406,188	4,738,348
Totals, 9 mos.	431,015,451	205,500,248	184,216,580	137,695,551	46,521,029	41,298,623

For Current prices see alphabetical listing beginning on page 9.

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side the rubber grades and a few other lines.

Chrome Colors—With the production of bichromates still woefully insufficient for the constantly mounting requirements of the chrome color makers, and with zinc chromate yellow still under allocation control, while chrome green and yellow, molybdate orange and the others continue under strict restrictions on civilian use, the business now being recorded in these colors is still confined almost entirely to war orders.

Driers and Flatteners

Tallates—Lead, cobalt, manganese and zinc types of these driers continue to lead in the steadily increasing movement into the paint trade, which has been more than doubled in size by the recourse had to these derivatives of tall oil and metals by those consumers who had hitherto shown a strong preference for naphthenates but who had latterly been denied allocation of the latter materials because not directly engaged in war production work.

Stearates—Buying interest in these flatteners continues keenest in the zinc types but there is also a brisk call for and extensive buying of the aluminum, barium, calcium and magnesium types. Manufacturers generally are accommodating all regular customers but are frequently unable to take on any new accounts.

Lacquer Materials

Butyl Acetate—In line with its oft-declared purpose of putting all controlled chemicals under its general chemicals allocation order M-300, WPB has revoked orders M-169 and M-159, hitherto providing for the allocation of butyl acetate and butyl alcohol and has made both of these solvents subject to the allocation control provided for them under schedules 66 and 65 of M-300.

Methyl Acetate—Paint and varnish makers continue to have recourse to this material, which is free from allocation control and still available in tankwagons and drums as a satisfactory solvent in most instances, though somewhat speedier in action than ethyl acetate.

Dibutyl Phthalate—Naming of prices on this material for the period November 10-December 9 by the leading manufacturers has been featured by a markup of 0.7c. per pound for this material in tankcar lots by the lowest price producer who has thereby advanced his quotation to 19.9c. per pound for this new period. Another manufacturer, usually grouped with the higher cost makers, has reduced his quotation for this period by 0.1c. to 21.9c. in tankcars while the others, except for one who has remained out of the market, have left their quotations unchanged.

Naval Stores

With public offerings from Savannah yards confined to comparatively small lots on the three trading days on the Savannah Cotton and Naval Stores Exchange, and with private offerings at other accumulation points in the South likewise limited to relatively meager quantities, transactions in gum rosin have been of a light and wholly inadequate character at primary centers within the past week. As assent had not yet been given by the Office of Price Administration to an extension of its price ceilings for stocks of gum rosin "on yard Savannah" to holdings at all other Southern points, the prices asked for offerings at these latter points continued at the GMPR levels of the highs of March, 1942, while the prices at which the few offerings and sales were made on the Savannah exchange remained unchanged at the OPA ceiling levels.

The gum turpentine market exhibited a keen demand, with all available supplies being distributed at the CCC parity price of 78½ cents.

The CCC has announced that parity prices on gum turpentine and gum rosin are unchanged for the period October 30, through November 29.

Locally, there was a brisk demand for gum rosin, chiefly for export, which went largely unsatisfied, with most of the sales conditioned on the ability of sellers to obtain the necessary lots from Southern sources.

Turpentine—Although no additional drafts have been made on CCC stocks within the last week, it is generally expected that, with production under-

Lacquer Sales for Third Quarter 1944

Sales of clear lacquers, pigmented lacquer bases and dopes, and thinners by 158 manufacturers, as reported to the Bureau of Census for the third quarter of 1944, and a comparison with those for the corresponding period of 1943, were as follows:—

	1944	1943
Clear lacquers—		
Gallons	3,408,370	3,408,171
Value	$5,454,372	$5,299,317
Pigmented lacquers—		
Gallons	3,613,567	3,537,056
Value	$8,082,702	$7,723,766
Lacquer bases and dopes—		
Gallons	830,343	878,468
Value	$1,069,401	$1,243,399
Lacquer thinners—		
Gallons	5,789,231	5,963,710
Value	$5,342,253	$5,301,933
Totals—		
Gallons	13,641,511	13,039,442
Value	$19,948,728	$18,829,703

going a seasonal shrinkage, some new calls will soon be made upon government holdings of this commodity. And, in view of the now-foreseen consumptive requirements for the October-March period, it is deemed probable that supplies in the South at the close of the current season, March 31, 1945, will be somewhat below a nor-

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mal carryover—presumably in the neighborhood of 85,000 barrels.

Savannah, Nov. 10.—Following is a record of the market for the week:—

	Bulk gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Monday ..	78½	1,200	14	2	27,272
*Tuesday..	...	...	...	...	...
Wednesday.	78½	4,000	106	384	27,000
Thursday..	78½	...	29	382	26,737
Friday ...	78½	2,700	20	...	26,757

* Holiday, Presidential election day.

Rosin—Although it was expected that some action would be taken by OPA within the past week on the recommendation of the Gum Naval Stores Advisory Committee, that uniform ceiling prices be established for all offerings placed on the official market at Savannah, regardless of the location of the stocks thus offered, no announcement was made by that bureau on this score and, with the exchange functioning only on Monday, Wednesday and Friday, trading was reduced to the purchase of a mere dribble of offerings, with sales made at the OPA ceiling prices for the few grades offered from stocks "on yard Savannah."

A report from India reveals a production for the second quarter of this year amounting to 1,219 long tons, a decline of 35 percent, and stocks on hand June 30 of 2,222 tons, 13 percent lower than those shown at the corresponding date a year ago.

Savannah, Nov. 10.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Mon.	*Tues.	Wed.	Thurs.	Fri.
B	$5.05	...	$5.05	$5.05	$5.05
D	5.12	...	5.12	5.12	5.12
E	5.65	...	5.65	5.65	5.65
F	5.75	...	5.75	5.75	5.75
G	5.79	...	5.79	5.79	5.79
H	5.81	...	5.81	5.81	5.81
I	5.81	...	5.81	5.81	5.81
K	5.85	...	5.85	5.85	5.85
M	5.87	...	5.87	5.87	5.87
N	6.03	...	6.03	6.03	6.03
WG	6.28	...	6.28	6.28	6.28
WW	6.55	...	6.55	6.55	6.55
X	6.55	...	6.55	6.55	6.55
	Drums				
Sales	106	...	260	...	237
Receipts ..	75	...	328	180	275
Shipments.	130	...	400	190	174
Stocks ...	16,495	...	16,423	16,413	16,514

* Holiday, Presidential election day.

Synthetic Resins

Ester Gum—In recognition of the growing scarcity of gum rosin and the recent increase of 24c. per 100 pounds in its cost, OPA has authorized a markup in the ceiling price of ester gum made wholly from gum rosin amounting to a ¼c. per pound. This elevation of the price ceiling, effective November 11, also increases slightly the price of ester gum made from both gum and wood rosin and provides a simplified formula for pricing solutions or mixtures of ester gum with other materials.

Urea and Melamine Aldehyde Resins—The small order exemption on urea and melamine aldehyde resins, hitherto 10,000 pounds per month, has been reduced by WPB to 2,000 pounds per month by the insertion in order M-300 of a new schedule, numbered 34. WPB further announces on this score that persons placing orders for the delivery of more than 2,000 pounds per month in the aggregate from all suppliers must furnish each supplier with a certified statement of the proposed use and suppliers must request authorization to make delivery on form WPB-2947.

Varnish Gums

Copal—Varnish makers and manufacturers of resin emulsion paints continue making fairly sizable purchases of Congo copal but business in this natural resin is limited by the relatively small character of present stocks, which are inadequate for current needs, although expected shortly to be amplified to some extent by additional arrivals from the Belgium Congo under the permits granted for shipment of the 3,000 tons authorized for the second half of this year.

Shellac—Although bleachers and cutters continue able to procure plenty of orange shellac from the stocks of the Defense Supplies Corporation, they are not finding it easy to obtain a sufficient quantity of seedlac and other darker types of shellac from that source, hence they are unable to swell the supply of liquid material as rapidly as they would like. Some of the bleachers who resumed production after a two-year layoff are making every effort to increase the output but are meeting with a labor shortage and difficulties in obtaining brass pipe and other fixtures including new tanks. However, it is expected that all those hitherto engaged in bleaching operations will have their plants running again within the next month or two.

Plastic, Coldwater Paint, Calcimine Sales: Sept.

Sales of plastic and coldwater paints and calcimines, as reported by sixty manufacturers to the Bureau of Census for September, 1944, compared with the totals for the corresponding month of 1943:—

Plastic Paints

	Pounds	Value
*Total	536,973	$41,053

* Includes paste and dry powder plastic paints which cannot be shown separately without disclosing the operations of individual companies.

Coldwater Paints

	Pounds	Value
Exterior, lime or cement-bound	1,553,523	$121,371
casein-bound	366,667	24,540
Interior, casein-bound, paste or semi-paste form	*299,031	377,968
dry-powder form....	507,457	41,902
glue-bound	252,889	8,466

* Gallons.

Calcimines

	Pounds	Value
Hot-water	899,908	$39,157
Coldwater	1,086,704	55,487

Sales of these products for September, 1944, compared with those for September, 1943, were as follows:—

	1944	1943
Plastic paints.....lbs.	536,973	399,495
value.	$41,053	$31,378
Coldwater paints.....		
value.	$574,247	$677,284
Calcimines .....lbs.	1,986,612	2,108,975
value.	$94,644	$100,371

Glues and Binders

Casein—Two additional arrivals of Argentine casein have been recorded, their combined consignments consisting of 15,261 bagfuls, weighing 1,855,864 pounds or about 928 tons. Reports from the primary market tell of the raising of asking prices there by a quarter to a half-cent to a basis of 9 cents to 9½ cents, f.o.b. Buenos Aires. But the delivered price here has remained unchanged, continuing to show a range of 17 cents to 18½ cents per pound for this foreign material. Domestic production is low and expected to continue so until the outset of the flush milk production next Spring.

Glues—Except for unabated labor shortages, producers of both hide and acidulated bone glues are much better situated than at any previous time this year, as more nearly adequate supplies of both domestic and foreign gluestock are now becoming available. Insofar as consumers are concerned, the producers are still relieved of the unpleasant task of making their own allotments, as this has been assumed by WPB allocation control which is expected to continue during the remainder of this year and into the first quarter of next year.

Gallows Birds 'Hang' Nine Specificationeers

At a meeting of the Society of Gallows Birds in New York October 25, the following were found guilty of having perpetrated paint specifications and were "hanged" into membership.—

K. G. Cooke (DTD 369), G. N. Hill (DTD 369), Capt. C. O. Hutchinson (3-189), E. Vernon Ladd (WFO 39), Bertell E. Martin (52-P-18), John E. McMenamin (CQD 200 A), Elbert Metcalf (EBP 571 et al), D. W. Robertson (TT-P-40), Robert I. Wray (D-474-41T).

"Judge" Arthur E. Stauderman occupied the bench. Francis Scofield was bailiff. "Pete" Cornthwaite did the prosecuting. Some forty-odd members of the society functioned as the jury.

Sloan-Blabon Sold

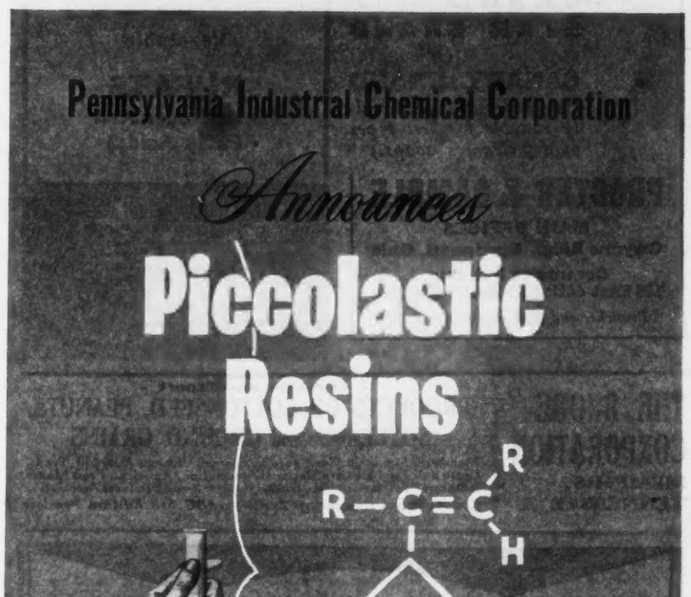
Certainteed Products Corporation has sold its entire interest in Sloan-Blabon Corporation, linoleum and hard-surfaced floor covering manufacturer, to Alexander Smith & Sons Carpet Company.

C-D-I-C Club to Meet

Cincinnati - Dayton - Indianapolis - Columbus Paint and Varnish Production Club will hold a meeting in the Biltmore hotel, Dayton, Ohio, November 13.

Chemical Industry Aids Sixth Loan Drive

The Chemical Industry Division of the War Finance Committee of New York has accepted a quota of $60,000,000 for the Sixth War Loan Drive.



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Oils, Fats, and Waxes

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
191.9	191.9	191.7	195.3

Consumers of oils and fats continued to manifest an active interest for new crop oils. There has been a steady absorption of new crop cottonseed and soybean oils of late which has resulted in the sold up condition of the bulk of production for the first half of next year. An active inquiry was still in the market but the scarcity of offerings was restricting the volume of business.

Heavy delivery of soybeans to mills has filled available storage space and crushers have had to stop deliveries until further notice, in some sections.

War Food Administration has announced the removal of import control, effective November 13, on the following oils and oilseeds:—Castor oil, castor beans, castor bean pomace, certain fatty alcohols and sulphated fatty acids, and salts of sulphated fatty acids (not specifically provided for in the order); crude and refined glycerin, hydrogenated or hardened oils and fats (animal or vegetable), whale oil, other than sperm; lard oil, murumuru nuts and kernels, murumuru nut oil, inedible olive oil, seal oil, tucum nuts and kerniels, and tucum oil.

Price ceiling of crude beeswax imported from Portuguese West Africa and for sales in this country was increased 2½ cents per pound by the Office of Price Administration, effective November 11. OPA also permits importers to pay additional shipping charges incurred when it is necessary to ship the wax to a port more distant from the seller's shipping point than that ordinarily used, if this is caused by a shortage of United States bound vessels.

Cottonseed Oil

Refiners continued to manifest an active interest for crude cottonseed oil, and offerings were readily taken at ceilings for prompt and forward delivery. Edible grades also were in active request with offerings scarce.

Interest in cottonseed and soybean meals was active. Owing to the scarcity of offerings, trading was limited to forward positions as prompt deliveries were said to have been sold up.

Department of Agriculture reported the cotton crop at 12,320,000 bales as of November 1, against 11,953,000 bales a month ago, 11,427,000 bales produced last year, and ten-year average of 12,455,000 bales. Yield per acre was indicated at 293.3 pounds, a record production, compared with 284.6 last month and 253.5 produced last year. The previous record yield per acre was 272.4 pounds produced in 1942.

War Food Administration announced the continuation of the 20 percent set aside requirements for processors of cottonseed, soybean, peanut and linseed oil meal, cake and pellets for the month of December.

Bleachable oil prices follow:—

	Cents per pound in tanks— High.	Low.	Close.
December	....	....	14.31 nom.
March	....	....	14.10-14.31
May	....	....	14.00-14.31
July	....	....	14.00-14.30
September	13.70	13.69	13.69-13.70
October	....	....	13.30-13.70

Total sales, 2 contracts.
Cash, 14.31c. nom.
Crude, Southeast, 12¾c.; Valley, 12⅝c.; Texas, 12c. (all ceiling prices).

Memphis, Nov. 9.—Crude cottonseed oil output well sold ahead as offerings are light. Good demand for cottonseed meal with some sales at ceilings. Much cotton still in fields. Recent rains delayed picking. Cotton crop will be larger than earlier reports in this section.

Linseed Oil

Actual trading in linseed oil ceased during the week, because of the inability of crushers to purchase seed to cover orders. Most crushers withdrew from the market, while in one quarter orders were taken, subject to the procurement of seed. Consumers showed an active interest for the first-half of next year's requirements. There was a noticeable increase in withdrawals of oil against former contracts. Prices were firm. Raw oil was unchanged at 14.7c. per pound, tankcars and tankwagons.

Minneapolis, Nov. 8.—There is a more or less rampant demand for linseed oil but the buyers are being held on a leash by the crushers, who are trying to cover the requirements of as many users as they can. Offerings are limited because of the lack of flaxseed supplies.

Shipments of flaxseed oil in pounds were as follows:—

	1944	1943
This week	6,060,000	5,580,000
Since Sept. 1	49,740,000	50,640,000

Flaxseed—An excellent demand continued for spot and prompt delivery. Offerings continued limited.

Minneapolis, Nov. 7.—Flaxseed receipts are dropping off steadily and demand for limited offerings is very strong. Eastern mills continue to compete for Northwestern offerings and ceiling prices are paid very readily for any flax that is offered.

The Canadian grain board sold 300,000 bushels of flax late last week but the crushers could use ten times that amount in the very near future. Offerings of domestic seed to arrive are very light.

Crop movement in bushels follows:—

	Receipts 1944	Receipts 1943	Shipments 1944	Shipments 1943
This week	279,000	453,000	24,000	37,500
Since Sept. 1	8,403,000	13,847,000	950,500	986,500

The week's closing flaxseed price range was as follows:—

	Cash	Dec.
Saturday	$3.10	$3.10
Monday	3.10	3.10
Tuesday	3.10	3.10
Wednesday	3.10	3.10
Thursday	3.10	3.10
Friday	3.10	3.10

Buenos Aires, Nov. 10.—Flaxseed shipments to the United Kingdom totaled 35,000 bushels and 15,000 bushels to other points during the week. Visible supply was estimated at 4,330,000 bushels. Flaxseed for export was quoted at $2.26½ per bushel, U. S. funds; Rosario, $2.17⅜ per bushel.

Hull, Nov. 10.—Bombay, £32, November; Calcutta, £31¼, November; La Plata, not quoted.

Linseed Meal—With production sold ahead, offerings were light and demand unsatisfied. Crushers were behind in deliveries.

Minneapolis, Nov. 8.—Demand for meal far exceeds supply and crushers are distributing available supplies as equitably as possible. They will not take orders for more than 60 days shipment and will not sell short of the flaxseed supply.

Shipments of linseed meal in pounds were as follows:—

	1944	1943
This week	8,400,000	10,320,000
Since Sept. 1	66,960,000	84,340,000

Other Vegetable Oils

Castor, Dehydrated—Demand continued active. Users taking good-sized lots against contracts. Prices firm and unchanged.

Coconut—Receipts of copra totaled 670 tons, which were consigned to crushers on previous contracts.

Oiticica—Moderate demand was noted mainly for prompt delivery. Quotations were unchanged and steady.

Soybean—Buying interest continued active. Crushers were sold well ahead, and in some instances up to next July. Offerings continued light with sales for crude and refined made at ceilings.

Tung—Small-lot buying seems to be the rule for this product. Market was steady at ceilings.

Fish Oils

Cod—Receipts of Newfoundland cod oil were reported at 340 drums and 100 casks for delivery on prior orders. Demand for spot oil was light.

Menhaden—This market was quiet but steady. Crude oil was nominal at 8¼c. per pound, tankcars, f.o.b. Atlantic coast. Refined oils were in fair request.

Baltimore, Nov. 8.—Fishing on the coast of North Carolina was reported poor during the past two weeks. Recent offerings of crude oil under the ceiling have been taken up, with sales made as low as 7¾c. per pound. Oil of a specially fine grade was sold at 8¼c. per pound a week ago.

Sardine—Trading was light in crude oil, with some sales noted at 8¼c. per

For Current prices see alphabetical listing beginning on page 9.

pound, tankcars, f.o.b. Pacific coast. Market tone remains steady.

Los Angeles, Nov. 8.—The California Sardine Products Institute reported 43,233 tons of sardines delivered to processing plants for the week ending October 28 from California. Sales of crude oil were made at 62c. per gallon, tankcars, f.o.b. Pacific coast.

Fats and Greases

Grease—Trading was light during the week. Inquiry continued active and all grades were firmly maintained at ceilings. The increase in hog slaughter will permit producers to increase offerings and catch up on deliveries on former contracts.

Lard—The market continued strong. Prices of all grades were well held at ceilings. Trading was fair.

Tallow—Buyers were absorbing offerings readily at ceilings. Inquiry was active but business was restricted due to sold-up production.

Fatty Acids

Caprylic—Trading was moderate for prompt delivery. Prices were steady.

Linseed Oil — Consumers taking good-sized lots against contracts. Quotations were firm.

Red Oil—Trading continued in good volume. Withdrawals against contracts were active. Market was firm.

Stearic Acid—Firm conditions continued to feature this market. Consuming inquiry continued active. Production is sold well ahead and offerings were limited. Quotations were firm and reflect the strength in pressing stock.

Waxes

Beeswax—The maximum price that importers may pay abroad for pure crude beeswax from Portuguese West Africa has been increased 2½c., or from 31¼c. to 33¾c. per pound, f.o.b. port of origin, the Office of Price Administration announced, effective November 11.

The price importers may charge for sales in this country is also increased 2½c.—or from 37½c. to 40c. a pound, f.o.b. U. S. port of arrival. Since industrial users can easily absorb this slight increase in their production costs, prices for finished products in which the beeswax is used will not be affected, OPA said.

Continued on page 54

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Drugs and Fine Chemicals

Further advance in the spot price of quicksilver, plus a decline in spot quotations on arecoline hydrobromide and hyoscyamine and a rise in dibutyl phthalate were the price features in the market for drugs and fine chemicals last week. Other developments included a shifting of butyl acetate and butyl alcohol to the WPB allocation number M-300, and a change in the basis of computing ethyl alcohol ceiling prices.

Quicksilver was virtually unobtainable on spot and demand had to be satisfied with booking of later deliveries at the mines. Reports from production centers also said that spot metal was scarce there and that future production was well sold ahead. The pinch on supplies at all points comes at the season when production normally is closed in because of bad weather. It was but natural that mercurials should display a firmer undertone.

Raw materials from which arecoline hydrobromide and the hyoscyamine group are produced have increased. Resumption of production on a fair-sized scale has been possible and prices reflected the betterment in supplies and the increase in competition by the establishment of lower price levels. Also, hyoscine was once more available on a per ounce basis instead of the more general practice of making quotations on a per gram basis.

Butyl acetate and alcohol were removed from WPB allocation order M-159 and placed under allocation order M-300, being another development in the trend toward putting chemical allocation control under the M-300 order. Ethyl alcohol producers east of the Rocky Mountains on and after November 11 are to include their actual and general administrative expenses up to a minimum of 3c. per gallon in cost of production when computing ceiling prices under their cost-plus pricing formula. The OPA order restores the method of computing expenses used prior to July 1, 1943, under MPR No. 28.

A miscellany of other reports current in the market were:—

Stocks of North African argols increased. Castor bean prices held unchanged in Brazil and stocks gained substantially here. A lighterage charge is added on shipments from certain Brazilian ports. Chances for Norwegian codliver oil production free of German control in 1945 were not so encouraging. Fishliver oils were in low supply. The ceiling situation was in statu quo and still unsatisfactory to producers and sellers.

Acetone—Strong undertones prevailed. War program requirements took everything available, leaving civilian needs mainly unsupplied. No early increase in supply is in sight at this time.

Acid, Acetic—There are nine producers of natural acetic acid with a plant capacity of about 1,080 cords of wood per day. Production runs 100 pounds of 100 percent acid per cord. All of this, plus the large production of synthetic material, finds ready buyers under the war program.

Acid, Ascorbic—Very active under demand that was reported to be normal in the recent meaning of that word. Quantity deliveries have been shifted somewhat and the full schedule is as follows:—500 kilo lots, $24.50 per kilo; 50 kilo lots, and 25 kilo lots, $25; 10 kilo lots, $25.35; 5 kilo lots, and 3 kilo lots, $23.70; 2 kilo lots, and 1 kilo lots, $26.41; 500 gram bottle, $27.47 per kilo.

Acid, Tartaric—Some North African raw material increased stocks of the same by 1,161 bags and will find ready consumers among the makers of tartaric acid. Transactions continue to be through intergovernmental agencies, a special corporation operating in the interests of the manufacturing consumers.

Alcohol—The setup regarding a "holiday" during which whisky plants may produce alcohol for beverage purposes changes quickly. A week ago the thought of some regular producers of industrial alcohol was that WPB would not grant whisky makers another period for such operations. During the past week, WPB was reported to be ready in about ten days to announce that another thirty-day "holiday" would be permitted. WPB officials were said to have assured the distillers of thirty days' notice in advance, and the "holiday" was thought likely to come late in December or early in January. There was some reason to believe that the distillers would make straight whiskey and not blending alcohol if the permission be granted. On November 7 the Office of Price Administration stated that industrial grain-alcohol producers east of the Rockies are to include their actual and general administrative expenses up to a minimum of 3c. per gallon in costs of production when computing ceiling prices under their cost-plus pricing formula. This treatment of general and administrative expenses was to be effective November 11 and replaces the fixed amount of 3c. per gallon that producers have been including in costs since July, 1943. The action restores the method of computing general and administrative expenses that had been in use under Maximum Prices Regulation No. 28 prior to July 1, 1943.

Arecoline—Resumption of substantial production of this material, recently forecast by the receipt of a large quantity of areca nuts, has resulted in a sharp drop in price. The market is now $6.50 to $11.75 per ounce, differing according to producer.

Argols—Stocks of North African material again appeared here and stocks gained to the extent of 1,161 bags. There is reason to expect that the supply of argols will gradually make possible an increased supply of tartaric acid.

Butyl Acetate—WPB announced November 7 that its allocation order, M-159, had been revoked and the material made subject to allocation order M-300. Regular and interim allocations previously made under M-159 are effective under schedules 65 and 66, but are limited in duration as if originally issued under those schedules. Pending applications need not be refiled. The same announcement was made for butyl alcohol.

Camphor.—Winter demand was reported on the rise, especially in the Middlewestern area. However, the major part of current production finds extensive consumption in the overall war program, especially as concerns the technical material.

Castor Oil — Prices on beans held unchanged at Brazilian ports and so far as could be learned, no additional transactions have taken place. It was said that some prices involve an additional lighterage charge when goods are loaded in certain ports. Stocks of beans gained to the extent of 6,260,100 pounds, thus bringing the total arrival since January 1 last to 233,337,890 pounds. This total compares with 224,526,600 pounds arrived during the corresponding period a year ago.

Chicago, Nov. 8.—Most trade in castor oil has been quiet and along previously indicated lines. Inquiry holds good. Prices are:—Cold pressed, U.S.P., returnable drums, car lots, 13¾c. per pound; drums, less than car lots, 14½c.; tanks, 13c.; No. 3, extracted, returnable drums, car lots, 13½c.; drums, less than car lots, 14¼c.; tanks, 12¾c.

Codliver Oil—Winter requirements have shown a normal increase and to this time sellers have managed very well to keep distributors of medicinal oil supplied in fair shape. War events in Europe effectively discount most of the hope that Norwegian fishing in 1945 would be free of German control and, hence, sellers here must continue

Market Trends

Prices Advanced

Dibutyl phthalate, 7/10c. per lb.
Quicksilver, $4 per flask

Prices Reduced

Arecoline hydrobromide, $5.25 per oz.
Hyoscyamine, $4 per oz.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
236.0	235.8	235.4	241.0

For Current prices see alphabetical listing beginning on page 9.

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to place their main dependence on Icelandic output.

Dibutyl Phthalate—The producer with the minimum price on this article raised quotations to 19.9c. per pound in tanks. Lesser quantities were proportionately higher.

Fishliver Oils—Hoped for developments in the field of price ceiling changes in this material continue to be deferred. Sales continue to go through at OPA current ceilings and much of the demand is for low potency oils.

San Francisco, Nov. 8—Due to lack of supply the market here is very quiet. Little trade was reported. All movements of oil are at ceiling.

Glycerin.—The entire field of glycerin consumption is being plowed and harrowed for the purpose of increasing the use of that material. Capacity now in operation provides ample stocks for all possible uses and is expected, also, to allow a good margin for the large export business expected to develop once the war is either over or sufficiently advanced to permit the reentry into the market of countries denied glycerin for several years.

Chicago, Nov. 8 — Trade continues along steady lines for glycerin, with stable tone generally prevailing for the refined material. Prices are:—Chemically pure, tanks, 15c. per pound; drums, car lots, 15½c.; drums, less than car lots, 15¾c.; high gravity, tanks, 14¼c.; drums, car lots, 14½c.; drums, less than car lots, 15c.

Hyoscine Hydrobromide — Recreation of a more liberal supply of this article has returned a quantity price to the market. The price established is $50 to $70 per ounce and statements of some suggest that even lower might be done.

Hyoscyamine—More liberal supplies have resulted from producers having more raw material and a lower level of spot prices has developed. Quotations stand now at $16 to $20 per ounce. Some who had not produced for a long time are back into production.

Methanol — Production and stock data covering the period January-August this year and released by the Bureau of the Census are:—

Methanol Production:—Jan.-Aug.

	Gallons	
	Synthetic, 100%	Natural, 80%
January	6,007,000	324,611
February	5,419,000	347,439
March	6,270,000	360,536
April	6,320,000	340,614
May	6,694,000	364,454
June	6,363,000	341,003
July	5,838,000	314,769
August	4,849,000	319,337
Totals	47,960,000	2,712,743
Stocks, Aug. 31	2,359,000	239,818
July 31	5,496,000	286,005

In terms of 100 percent purity, production of natural methanol in the January-August period would be approximately 1,681,900 gallons, which compares with the output of 47,960,000 gallons of synthetic methanol of 100 percent purity.

Polyethylene—All production is directed to military requirements.

Quicksilver—The spot market continued nominal, and the nominal price is $118 per flask. Very little metal can be obtained from actually spot supply. Transactions are usually in the forward delivery position and much of the present reduced production capacity is said to have been engaged.

San Francisco, Nov. 8—Market interest maintained and sales continuing with producers quoting metal between $102 and $105 per flask, f.o.b. San Francisco. Stocks here are reported as being very low. Little spot metal is being offered.

Taylor to Head Canco General Line Production

Russell C. Taylor, vice-president in charge of general line manufacturing for the American Can Company, New York, will assume responsibility for all the company's container manufacturing plants, both general line and packer's, D. W. Figgis, president, has announced. S. D. Arms has been made general manager of manufacture, and Edmund Hoffman manager of the industrial relations department. Consolidation of all manufacturing plants under Mr. Taylor follows the recent creation of a new department of research and devolpment headed by James A. Stewart, vice-president, who formerly was in charge of packer's can manufacture.

Mr. Taylor, who is also a director of the company, joined the organization in 1926, following his graduation from Massachusetts Institute of Technology. After service in the company's manufacturing plants in the United States and Hawaii, Mr. Taylor became general manager of manufacture prior to his election as vice-president in 1940.

Mr. Arms, formerly manager of the Jersey City plant, has recently been manager of the Labor Division of the Company's Industrial Relations Department. Mr. Hoffman, whose experience includes both manufacturing and sales, has been manager of the Personnel Division of that department for the past three years.

Soap Deliveries Show Slight Gain

Deliveries of soap other than liquid by sixty-two of the reporting manufacturers amounted for the quarter ending September 30 to 817,000,000 valued at nearly $112,000,000, according to the Association of American Soap & Glycerin Producers, Inc. The pounds delivered were 1.1 percent less than the second quarter of 1944, and 16.8 percent ahead of the third quarter of 1943. Deliveries of soap other than liquid as reported by this same group of manufacturers for the first nine months of 1944 amounted to 2,431,000,000 pounds valued at nearly $324,000,000. The pounds delivered were 17.5 percent more than for the first three quarters of 1943.

Deliveries of liquid soap by 41 of the reporting manufacturers amounted for the quarter ending September 30 to 777,000 gallons valued at $988,000. The gallons sold were nine-tenths of one percent ahead of the second quarter of 1944, and 9.4 percent ahead of the third quarter of 1943. Deliveries of liquid soap as reported by this same group of manufacturers for the first nine months of 1944 amounted to 2,445,000 gallons valued at nearly $3,000,000. The gallons delivered were 21.1 percent ahead of the first three quarters of 1943.

Parke, Davis to Make Penicillin

Alterations to existing buildings of Parke, Davis & Co., pharmaceutical manufacturer, Detroit, for the purpose of manufacturing penicillin have been granted by the War Production Board. The alterations involve an expenditure of $70,130.

Penicillin Discoverer Gets Scott Medal

Sir Alexander Fleming, discoverer of penicillin, has been given the 1944 John Scott Medal and Award of the Franklin Institute, Philadelphia, in recognition of his work on the new drug. The presentation was made October 23, at the William Penn tercentenary anniversary, the Earl of Halifax, British Ambassador to the United States, accepting the honors on behalf of Dr. Fleming.

Cheplin DPC Plant Facilities Increased

Cheplin Biological Laboratories, Inc., Syracuse, N. Y., has increased its contract with the Defense Plant Corporation to provide additional plant facilities in East Syracuse, at a cost of approximately $130,000, resulting in an over-all commitment of approximately $2,885,000. Cheplin Biological Laboratories will operate these facilities, title remaining in Defense Plant Corporation.

Buy War Bonds

Ammonia Came from the Fabled Unicorn

EMANATIONS of ammonia from decomposing animal substances have been known since ancient times. As early as the 4th Century B.C., Aristotle described the ammoniacal vapor from burning horn. A favorite fabled source was the horn of the unicorn, for the preparation of "volatile spirit of sal ammoniac."

The literature and art of the period preserved the story of the unicorn which animal became the emblem of the English Society of Apothecaries. Chemists early discarded the unicorn but continued their study of ammoniacal vapors. In 1785, Claude Louis Berthollet discovered the true composition of ammonia and opened the door to the many applications of this important chemical in medicine, pharmacy and industry.

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Oils, Fats, and Waxes

—Continued from page 49

Another slight change is made by this amendment. This change permits importers to pay additional shipping charges incurred when it is necessary to ship crude beeswax to a port more distant from the seller's shipping point than that ordinarily used, if this is caused by a shortage of United States-bound vessels.

Carnauba — Market continued firm with trading light on the spot, due to limited supplies. Offerings for shipment were scarce. Inquiry was active for prompt shipment. Some trading was noted for January-February shipment at former levels.

Ouricury — Trading was moderate for prompt shipment from Brazil. Buyers were showing a good inquiry in prompt and nearby shipment. Stocks on the spot were firm with demand fair.

Vitamin Foundation

—Continued from page 3

ship of the organization have four classifications, as follows:—

Professional:—Those firms who manufacture packaged vitamin products which are promoted primarily to the profession including physicians, pharmacists and veterinarians.

Consumer:—Those firms who manufacture packaged vitamin products which are merchandised primarily by means of direct consumer advertising, such as radio, newspaper, direct mail, etc.

Basic Producers:—Those firms whose major interest in the vitamin industry is the supply of bulk vitamin materials to manufacturers and distributors.

Honorary:—Those individuals who, because of their outstanding position in the field of scientific achievement, are invited to membership in the association by the membership committee.

The committee was composed of the following:—

Chairman, Charles L. Bowman, of Charles Bowman & Co., New York; William H. Berg, of the Borden Company, New York; Elmer H. Bobst, of Hoffmann-LaRoche, Inc., Nutley, N. J.; J. O. Brownell, of Lever Brothers, Cambridge, Mass.; James J. Kerrigan, of Merck & Co., Rahway, N. J.; John J. Toohy, of E. R. Squibb & Sons, New York; Gerald L. Smith, of the Gelatin Products Company, Detroit, and W. L. Finger, of Standard Brands, Inc., New York.

Houbigant Loses Appeal On 'Paris' Labeling

OPD Washington Bureau

Orders of the Federal Trade Commission directing Houbigant, Inc., to stop using its trade-name on its products in such a way as to lead purchasers to believe that its products were manufactured in France were upheld by the Supreme Court of the United States, November 6, when it denied an appeal of the company from a decision of the United States Circuit Court of Appeals for the Second Circuit.

The commission had complained of the use of "Houbigant" in the combination "Houbigant-Paris-New York," without stating specifically in the labels that the products were made in the United States.

Dr. Squibb Honored with Ship

A naval vessel launched November 9 at the shipyard of the J. A. Jones Construction Company, Brunswick, Ga., was named the E. R. Squibb in honor of the founder of the pharmaceutical manufacturing house, E. R. Squibb & Sons, New York. Dr. Squibb was a naval surgeon at sea for four years following his graduation in medicine in 1844, and during the Civil War he had charge of the manufacture of medical supplies at the Brooklyn navy yard.

Dunn to Advise on Surpluses

H. Arthur Dunn, formerly in the service of the Government, has announced the formation of the firm of H. Arthur Dunn & Associates, assisting in the negotiation for the disposal of surplus war materials. The Dunn offices have been opened in Washington, D. C., at 1915 Sixteenth Street, N. W., Washington 9, D. C.

John Simonds has joined the sales promotion department of Interchemical Corporation, New York. Mr. Simonds was formerly an account executive at McCann-Erickson advertising agency.

Sulphuric Acid

—Continued from page 3

der consideration, which they refuse to elaborate on at this time.

The most hopeful sign for the fertilizer industry in the sulphuric acid picture is said to be the possibility that supplies of spent acid from ordnance plants will be freer in the near future and this acid will be made available for the production of superphosphate.

According to the latest figures available from WPB, supplies of new and spent acid this year are expected to fall short of meeting requirements by more than 900,000 tons, and for the first six months of 1945 the supply may be short more than 400,000 tons. Demands during 1944 are estimated at 10,556,200 tons, and supply at 9,650,700 tons. For the first six months of 1945 requirements call for 5,663,600 tons, against a supply of 5,251,000 tons.

The estimates of future supplies include the expected production from new facilities now under construction, the last of which is expected to be completed by March of next year. One of the new plants, that of the Standard Wholesale & Phosphate Company at Baltimore, with an annual additional capacity of 109,600 tons, started in production last week.

The growing shortage of sulphuric acid has been of immediate concern to the War Food Administration because of its possible effect on the production of fertilizer for next year's crops. Officials are watching the situation closely and will insist, it was emphasized, if it becomes necessary that the acid be allocated, that it be on an essentiality basis and that supplies of the acid or superphosphate production be given a high priority.

It is felt in one quarter that WPB has overestimated the future requirements of the paint pigment industry for sulphuric acid, which goes into the making of titanium dioxide. The understanding was that the navy has reduced its demands for paints and pigments, but this was emphatically denied at the Navy Department.

Pfizer Declares Extra Dividend

Directors of Charles Pfizer & Co. have declared a regular quarterly dividend of 35 cents a share and an extra dividend of 40c. a share on the common stock, both payable December 5 to stockholders of record No-

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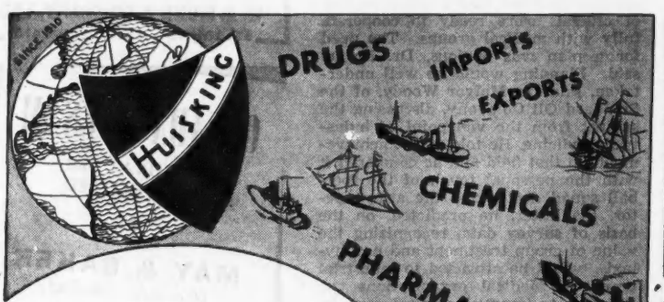

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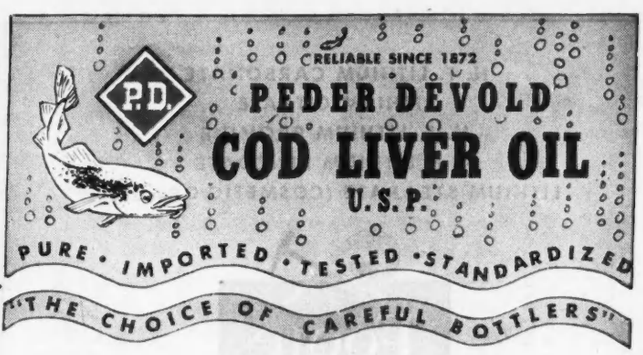

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Medical Care Discussed

—Continued from page 3

country is widely varied among the several regions. A better health goal should be set, Dr. Burns said, and its attainments should be progressively approached by collaboration of medical and political interests with better understanding of the roles essential to each.

The plan of the American Public Health Association was outlined by Dr. Edward S. Rogers, assistant commissioner of the New York State Department of Health. Because this plan had been promulgated without negotiation with the American Medical Association or the American Dental Association, it was opposed by those organizations, Dr. Rogers said. The plan postulated the ability of governmental agencies to contribute much out of experience to the solution of the medical care problems, and the speaker declared that a large portion of officials were ready to cooperate fully with medical groups. The need for a plan was obvious, Dr. Rogers said. Planning would be well undertaken, said Dr. McIvor Woody, of the Standard Oil Company, discussing the subject from the viewpoint of industrial medicine. He told of the achievements in that field and he compared it with the personal touch of the football squad doctor and the army doctor, the latter, he predicted, on the basis of survey data, recognizing the value of group treatment and prophylaxis, would be attracted to industrial practice. Medical organizations can do much to improve medical care, he declared, citing the achievements of the profession in New Jersey.

Preventive medicine and sanitation were entirely disregarded by Dr. Frederick Williams, former president of the Bronx County Medical Society, who said that medical care was nothing other than the advice and treatment of sick persons by their private physicians. He referred in sneering tones to the efforts of nonmedical persons interested in public health matters and to those with medical degrees, but no practical experience, engaged in similar work. He regarded public health education as inimical to the public, and he argued that nursing, hospitalization, and pharmacal service had no place in medical care except under the direction of a practicing physician. As he saw it, nobody could define adequate medical care and no individual or group could plan its providing.

Insurance aspects, group plans in operation, and the attitude of organized medicine also were discussed.

Surplus Property

—Continued from page 3

the continued effectiveness, until superseded by regulations of the Board, of all policies and procedures relating to surplus property prescribed by the Surplus War Property Administration and the owning and disposal agencies which were in effect when the Act was signed on October 3, 1944 and which are not inconsistent with the Act.

The joint statement lists the provisions of the act which are considered to be self-operative and which therefore became effectiv as soon as th act was signed. It also lists those provisions of the act which will not become effective until the issuance of regulations by the board and which therefore are not inconsistent with existing policies and procedures of the Surplus War Property Administration and the respective owning and disposal agencies in effect on October 3, 1944.

Filled Milk Act

—Continued from page 3

ing the right of shipment the congressional reasoning that filled milk would be confused with condensed or evaporated milk even though properly labeled.

The other questions were whether the defendant's product fell within the definition of filled milk and whether the product could be considered an imitation since no substance had been purposely added to give it the appearance of milk. The court ruled affirmatively on both points.

Plant Science Lecture To Be Given Nov. 15

The first lecture in a new course in "Recent Discoveries in Plant Science" will be given at the laboratory building of the Brooklyn Botanic Garden, 1000 Washington avenue, Room 330, at 8 p. m., November 15. Dr. George S. Avery, jr., the new director of the Garden, will speak on "Plant Hormones."

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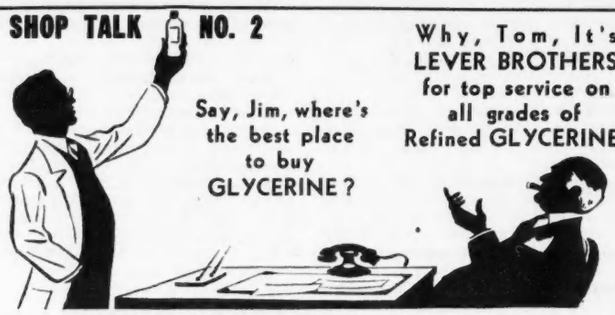
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Inability to replenish reduced supplies of tanstuffs from primary centers has not improved the tight supply situation which prevailed in this market for some time. Offerings for shipment of these materials continued scarce and the dearth of cargo space also aggravated the situation. Offerings of quebracho extract for shipment have not been available of late due to the fact that principal producers were said to be awaiting new quotas.

Among sizing materials, the tight supply situation in tapioca flour has become more critical due to the continuance of the stalemate in the trading in replacements from Brazil and San Domingo, because sellers in those markets were holding at higher prices than OPA import ceilings. This has prevented the consummation of transactions in this much needed material. The removal of corn starch from import control by the War Food Administration was received with a great deal of interest by the trade. This order became effective November 13.

Sellers of potash and soda prussiates have extended the acceptance of contracts for the next two years at unchanged quotations.

War Production Board announced effective November 13, the transfer from list I to list II of general imports order M-63 of deer skins and unmanufactured bovine, equine and goat skin leathers, to eliminate the future necessity of filing WPB form 1039 for authorization to dispose of these materials. The transfer indicates there has been an increase in the supply of these materials.

Chemicals

Aluminum Acetate—Demand continued to absorb practically all of the output. Market firm at former quotations.

Soda, Formic—Heavy demand from textile and leather trades cleaned up the bulk of available supplies, resulting in tighter supply situation. Offerings were reduced, with prices unchanged and steady.

Soda, Bichromate—Conditions continued firm, with the production readily absorbed on allocations. Prices were firm.

Soda, Prussiate—Producers have extended contracts for potash and soda prussiates for the next two years at unchanged quotations. Steady consuming demand was taking the output on allocation.

Sulphonated Oils—Steady consuming call continued of late, with the textile and paper industries taking good sized quantities against former orders. New business also was good for spot delivery. Prices were steady.

Dyestuffs

Annatto — Market quiet, though prices were firm and unchanged. Supplies on spot were light with holders restricting sales to regular users.

Cochineal—Consumers were purchasing in a hand-to-mouth manner. Prices were steady.

Madder—Interest was moderate and mainly for small lots. Quotations were well held.

Sizing Materials

Albumen, Blood.—Consumers were taking moderate quantities for prompt requirements. Stocks were fairly liberal and sufficient to meet current requirements. Dried soluble blood was steady and unchanged.

Albumen, Egg—This market was firmer under a moderate demand. The supply situation was tightening and prices were advanced 1c. per pound for car lots, though quotations were still below ceilings. Small lots commanded premiums from 2c. to 4c. per pound, depending upon quantity. Granular sold at $2.01 per pound in large lots and ranged to $2.05 per pound for lesser quantities. Powdered was firmer at $1.96 per pound, in car lots, with smaller lots selling at the usual markup.

Dextrin, Corn—Steady consuming demand was absorbing the bulk of production. The delivery situation has been steadily improving and producers were now making deliveries promptly.

Egg, Yolk — Improved demand strengthened the market during the week, and brought quotations closer to ceilings. Business was transacted at $1.10 per pound, for car lots, an advance of 2c. per pound. Smaller lots were sold at the ceilings. An active inquiry was noted for requirements for the balance of the year.

Starch, Corn—While trading was limited, the call against former orders continued active. The market was firm at former quotations. The War Food Administration announced the removal of corn starch from import control, effective November 13. The visible supply of corn was increased 343,000 bushels during the week ended November 4, bringing the total to 6,538,000 bushels as compared with 10,630,000 bushels for the same period last year. War Food Administration announced the purchase of corn starch types A and B totaling 3,650,000 pounds from 3.57c. to 3.89c. per pound, in bags, f.o.b. plants. October 20 and 24, and 2,200,000 pounds from 3.53c. to 3.89c. per pound, same basis October 25.

Starch, Potato—Conditions in this market continued firm. Supplies were light and the output is expected to be affected by the reduced supply of culls for grinding purposes. Export business has been refused by some sellers and also export licenses have not been granted in view of the limited supplies available for domestic consumption. Consumers were in the market for prompt and nearby delivery.

Starch, Sweet Potato—Reports from production centers indicate a light output for this season. Production started last week. The trade was awaiting the announcement of ceilings for the new crop.

Tapioca Flour—Firm conditions featured the market during the week. Resale material was practically unavailable on spot. Stocks at primary markets were closely held at prices well above OPA import ceilings, which prevented trading. Receipts were reported totaling 26,824 bags, which were delivered to consumers against former orders.

Tanning Materials

Divi-Divi—Buying interest was active, though trading was limited because of scarcity of offerings from primary markets. Shipping space also was scarce, affecting the supply situation here. Prices were firm.

Mangrove Bark—Scarcity of available supplies at primary centers was keeping prices strong at prevailing levels. Inquiry was active, but trading was restricted due to light offerings for shipment from abroad. Receipts totaled 669 seroons and 155 tons.

Myrobalans — Consumers were not manifesting much interest in this product. Trading has been spotty of late, with offerings fairly liberal at former levels.

Quebracho—Trading in extract continued quiet during the week. Producers were not offering for shipment and were awaiting new quotas. The market was firm and unchanged. Stocks of extract held by consumers have been reduced, and were said to total about a four-month supply.

Tara Powder — Trading was dull. Supplies on the spot were not heavy, and in the absence of trading, the market was a nominal affair. Consumers were said to hold liberal quantities and preferred to await development in the prospects of obtaining Sicilian sumac extract.

Wattle Bark—There was a noticeable tightening in the bark supply situation during the week. Offerings have been reduced. Inquiry for bark and extract continued active for nearby and forward shipment. Primary market continued strong. Receipts of bark totaled 14,612 bags and extract 3,000 bags for delivery against former contracts.

Market Trends

Prices Advanced

Egg, albumen, 1c. per lb.
Egg, yolk, 2c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
277.2	276.4	276.4	269.4

For Current prices see alphabetical listing beginning on page 9.

Fertilizer Materials

Less nitrogen will be available during the next calendar year for use on farms, because of increased ordnance programs WPB stated. At the start of the fertilizer year, officials estimated that 631,000 tons of nitrogen would be available for agriculture. However in view of new military requirements, the estimate had to be revised downward in September to 530,000 tons.

In an effort to compensate for this loss, WPB arranged for a higher shipping priority for some Chilean soda nitrate which had previously been assigned a low priority. This brought the anticipated agricultural supply of nitrogen to 586,000 tons. Because of military requirements for grained ammonia nitrate that had not been anticipated, it was necessary to make an additional cutback in agricultural supplies, reducing the previous estimate to 576,000 tons.

Production difficulties by Canadian manufacturers of ammonia nitrate, which prevented them from attaining estimated production goals, may cause further reductions in agricultural nitrogen, WPB stated. It is hoped the reduction will not exceed 5,000 tons of nitrogen.

Nitrogenates

Ammonia Sulphate. — Regular customers are reported to have covered requirements and recent allocations have been sufficient to keep the available supply low. It was understood that considerable shopping was necessary to locate material for additional wants owing to the tight position of supplies. On November 13, OPA placed uniform ceiling prices at the producer level on all ammonia sulphate sold to fertilizer manufacturers in the States of Arizona and California. This ceiling is $36 a ton in 100-pound bags, and includes freight charges within a freight zone of $4.53 from Shell Point, Calif. Freight in excess of $4.53 may be added to the ceiling price. This amounts to a reduction of about $1 per ton on this fertilizer shipped to some points in these States from production points in Utah. A uniform ceiling for this material when sold to fertilizer manufacturers also was fixed for the States of Washington and Oregon. This ceiling also has been set at $38 a ton in 100-pound bags, but includes freight charges of $7.21 from Utah production points. Freight in excess of $7.21 may be added to the ceiling in these States, OPA said.

Bone Meal — Reported relatively quiet. Buying interest irregular and not urgent for feeding requirements. Some domestic material available with sellers holding firm at ceiling figures.

Castor Pomace—Judging from trade opinions, considerable business could have been placed in this material, if supplies could have been located. Meanwhile, the market was described as firm and definitely tight. WFA has removed this material from import control.

Dried Blood — Recent importations were reported sold on arrival for feeding requirements. Some domestic was available at the ceiling figure without attracting any unusual buying interest.

Horn Meal — Material recently imported for specific purposes was resold for fertilizer use. According to reports, regrinding was necessary to convert the commodity into meal suitable for agriculture. The selling price was about the same as hoof meal.

Soda Nitrate.—Maximum prices for imported nitrate loaded on trucks at warehouses in New York City, Camden, N. J., and Baltimore, Md., have been increased 50c. per ton, effective November 16, the OPA announced. The advance applied only to the three ports and would have no effect on retail prices of fertilizer, it was stated. Demand last week measured well up to seasonal expectations. Market movement confined to shipments under WPB regulation. Heavy demand reported for compounds which is taxing capacity and holding position tight.

Tankage.—No unusual activity reported. Irregular trading at ceiling prices with some domestic material available. Feeders not pressing for shipments and demand from feed trade somewhat below the average usually current at this period of year.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

Phosphates

Phosphate Rock — Acidulators continued to take heavy deliveries of phosphate rock. The movement from mines was reported as large as labor and transportation facilities would permit. Ample material to meet the fertilizer demand was said to be above ground and the actual supply situation was described as adequate. Importations of nearly 5,000,000 pounds were reported.

Superphosphate.—Demand showed a tendency to increase as more mixers in the Northern areas have started operations. According to reports, fertilizer mixers in this section were slower than usual in getting started. The supply situation remained relatively tight, although regular consumers seemed to be getting their specified deliveries. Difficulty in securing sufficient manpower and sulphuric acid have kept the production of superphosphate below general expectations.

Potashes

Tobacco planters and other farmers who depend upon potash sulphate as a fertilizer have been promised some relief through a plan to allow fertilizer manufacturers to convert a part of their allocated muriate into sulphate. WPB stated that the cost to the fertilizer manufacturer will be 8c. per unit of potassium oxide (as sulphate). Production of muriate has been sufficient to permit prompt shipments against contracts, the movement being accelerated by favorable transportation facilities.

Sulphur and Pyrites

Production of sulphur has kept the supply position ample to meet the heaviest consuming demand on record. The movement so far has been favored with satisfactory transportation, delays being few and of temporary existence. Bureau of Mines placed Louisiana as second in sulphur production in 1943. The value was given at $9,087,000. Uncertain shipping conditions kept trading in Spanish pyrites quiet with prices unchanged.

Markets at Other Centers

Atlanta, Nov. 10.—Harvested crops are bringing Southern farmers profitable returns and making them excellent prospective customers for fertilizers to be used on next Spring's crops. Fertilizer manufacturers are reported having no difficulty in making collections and on the whole are well satisfied with the outlook for selling all the fertilizers they can make. The first limiting factor remains scarcity of labor in the fertilizer plants with probabilities of some materials as production proceeds. It is generally believed that the demand for fertilizers in the South will be increased next season, reaching beyond the possible production.

Baltimore, Nov. 10.—Fish Scrap—This ammoniate was generally sold as fast as it could be turned out when fishing operations were under way in Chesapeake Bay and outside of the Virginia capes. Production off the Delaware capes and the New Jersey coast, the same procedure is being continued with regard to any production obtained. Off the North Carolina coast, the fishing has been very limited, though better results are looked for about the middle of November, when the schools headed for Southern waters reach the line of Beaufort and other North Carolina points. Only a small amount of scrap is being turned into meal, according to reports, because the mark-up on conversion is regarded too small to pay grinders. The ceiling on scrap is $1.21 per unit of protein, with meal quoted according to protein content.

Chicago, Nov. 10. — Business was reported holding up fairly well in nitrogenous fertilizer materials. The supply was affected to some extent by the fact that livestock receipts recently have been strictly moderate, which has tended to hold fertilizer material supplies within moderate range. Blood was fairly active. Dried Blood—Principal grade, $5.53 per unit of ammonia. Tankage—Feeding grade, $5.53 per unit of ammonia; hoof meal, $4.25 to $4.50; liquid stick, tankcars, $1.75 to $2. Bone Materials—Ground, steamed bone, 3 and 50 percent, $35 to $36 per ton; cattle jaws, skulls and knuckles, $45 per ton; dry, rendered tankage, hard pressed, $1.25 per unit; 50 percent meat and bone scrap, $68 to $70.

Los Angeles, Nov. 10.—The market was very quiet here this week, with organics at a standstill. Fish meal held firm at ceiling prices despite record production at Monterey during October. Demand was not quite as brisk as earlier in the year but offerings were readily placed.

Ruling prices are:—Ammonia Nitrate—$65 per ton, with freight allowance up to $4.40 per ton from production plant. Ammonia Phosphate—Quoted at $48 per ton for 16/20 grade and $57 for 11/48 delivered California plant. Ammonia Sulphate—$38 per ton with freight allowances up to $4.40 per ton from California plant. Canadian material on same basis.

Ammonium Nitrate Drillability As Fertilizer Investigated

The drillability of various types of ammonium nitrate fertilizers is reported in research report No. 25 of the Agricultural Research Administration, United States Department of Agriculture, covering the work of five investigators in the Bureau of Plant Industry, Soils, and Agricultural Engineering. The investigation was aimed at determination of relative drillability under field conditions and the influence of coating agents and particle characteristics.

The pertinent data have been abstracted in a condensed, mimeographed issue of the report, which gives also a concise statement of the conclusions on coatings and particle size.

Ammonia Nitrate Offered by Army

Bids are asked on 14,500 pounds of solid, lumpy, and rusty nitrate of ammonia (NH_4 content 6,250 pounds), by the Army Service Forces, New York C. W. Procurement District, Chemical Warfare Service, 292 Madison avenue, New York 17. Written bids (DSR-18) in duplicate on bidder's letterhead will be received until 3:00 p.m. November 21 by 1st Lt. J. W. Shapiro, C. W. S. redistribution and salvage officer, at that address.

The nitrate is contractor-owned. It is located on the premises of Jacques Wolf & Co., Thirteenth street and Barry avenue, Carlstadt, N. J. It cost the government $5,846 per hundredweight. It will be sold as is and where is, to be removed at buyer's expense.

Trade Briefs

Warren Refining & Chemical Company, lubricants, Cleveland, Ohio, has moved its general offices to 308 Euclid avenue, Cleveland 14.

International Rendering Company has been incorporated in Los Angeles, with 2,500 shares of no par value capital stock. The company's plant is at 4144 Bandini Boulevard.

General Fertilizer Company is the firm name under which W. L. Steele and Willard P. Fishburn have published a certificate that they are conducting business at 517 Island avenue, San Diego, Calif.

Southern Sulphur DPC Plant in Texas Expanded

Southern Acid & Sulphur Company, St. Louis, Mo., has increased its contract with the Defense Plant Corporation, to provide additional equipment at a plant in Beaumont, Tex., at a cost of approximately $25,000, resulting in an over-all commitment of approximately $780,000. Southern Acid & Sulphur will operate these facilities, title remaining in Defense Plant Corporation.

Fertilizer Tag Sales: Oct.

	Equivalent tons—October 1944	October 1943	Jan.-Oct. 1944
Virginia	31,498	34,466	449,646
N. Carolina	30,585	61,304	1,150,304
S. Carolina	22,670	42,440	657,793
Georgia	36,794	42,234	920,463
Florida	68,821	91,000	706,655
Alabama	16,500	12,100	588,350
Mississippi	15,750	35,670	337,594
Tennessee	17,852	13,913	247,371
Arkansas	2,500	4,430	110,583
Louisiana	2,375	4,680	203,295
Texas	8,365	8,200	169,043
Oklahoma	500	500	17,351
Total South	254,210	350,937	5,528,418
Indiana	5,896	3,800	339,443
Illinois	13,200	4,087	153,090
Kentucky	6,710	7,500	229,709
Missouri	2,399	1,515	135,001
Kansas	200	75	37,696
Total Midwest	28,405	16,977	894,939
Grand total	282,615	367,914	6,423,357

For Current prices see alphabetical listing beginning on page 9.

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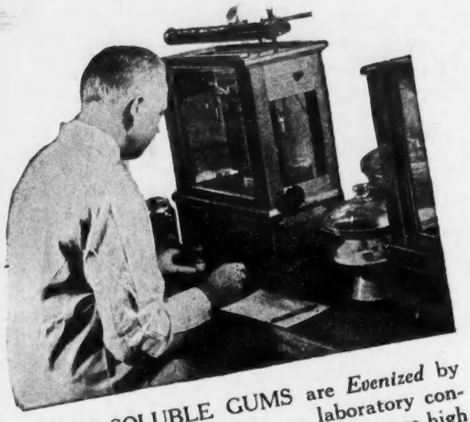

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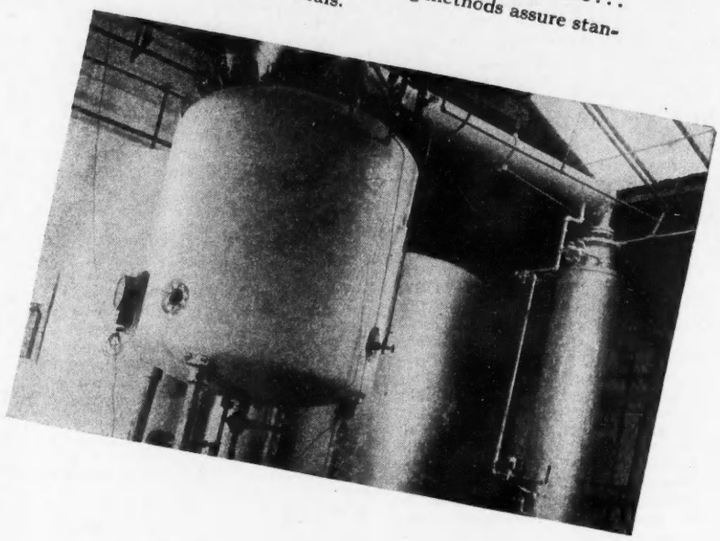

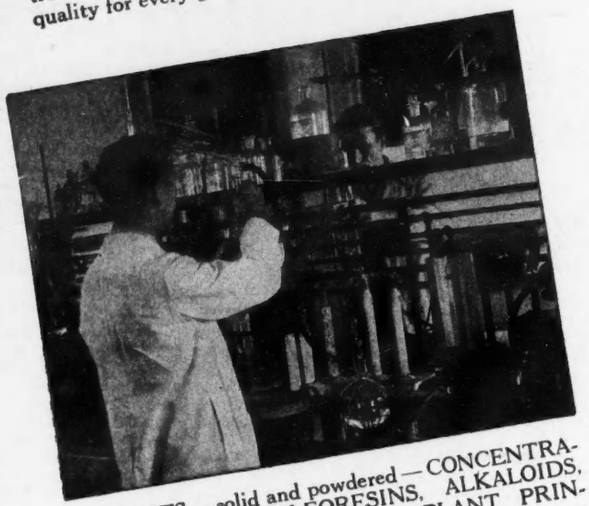

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Botanical Drugs, Spices, Gums

Prices for most botanicals were in very firm position last week. The margin between first costs and spot selling prices was far too small to permit much competition to arise and hence quotations were well maintained throughout the period. Buyers who attempted to cover their needs at bid prices met with little success. Costs were high enough and stocks were small enough to cause sellers to reject most bids and pass business offered at less than prevailing values.

Seasonal articles such as cocillana, sassafras, white pine, and wild cherry barks were in very fair request, as also were compounds and private formulas involving these barks as well as other botanical drugs. Sellers exercised great care in engaging their available stocks, having in mind the very tight situation that prevailed a year ago. Present supplies do not forecast a surplus of basic materials this season.

Of some interest was a report from Peru, stating that sabadilla seed was being combined with other ingredients to make a dusting powder for use in controlling cotton plant pests. The powder may also be put into liquid from by using alcohol available there. The whole is intended to replace calcium arsenate and paris green mixtures. Sabadilla is an insecticide and parasiticide of long standing here.

Progress of the Russian army in the south bring closer the time when the European botanical drug collection center may be liberated. Given control of export cities on the Adriatic Sea, it is not unlikely that a resumption of European botanical exports in moderate quantities may be urged on the authorities. Commercial contacts by mail are now possible with French houses in southern France, this for the purpose of aiding French business and general economy. Diplomatic relations with Italy have been restored. Greece is about liberated. All of this bring nearer the time when European botanicals once more may be exported.

Balsams

Peru—The market was very quiet throughout the period and trade at the best was within jobbing limits. Prices were steady.

Tolu — Hand-to-mouth transactions were the rule on spot but transactions failed to affect the steady price position prevailing for sometime past.

Barks

Angostura — Although the supply was not large, it was sufficient. Demand was definitely routine. Prices displayed stability.

Cottonroot — Not overly plentiful but renewal of stocks should eventually restore a balance to available supply as compared with demand. It is purely a matter of getting the material dug—which means availability of labor for that purpose.

Sassafras—Indications point to an excellent demand for this article after the turn of the year and the arrival of the main consuming season. Stocks provided against that development are not large.

Wahoo—Rather quiet on the whole but the price position of root bark has become steadier to firmer and present values are believed to be bottom for this consuming year.

Beans

Vanilla—Trade was quiet. Not that there were not large needs in existence; on the contrary, needs were indeed large. But until major replenishment of stocks by substantial importation is possible, satisfaction of requirements must be in abeyance. Good provision has been made to bring in a large quantity of beans and satisfaction of buyers' requirements but awaits their safe arrival.

Berries

Fish—The supply was reported extremely moderate and major replenishment awaits liberation of the major primary market from Japanese control.

Hawthorn—Most quarters have no English berries. One dealer mentions a moderate stock available around 75c. per pound.

Market Trends

Prices Advanced

Drugs

None

Other Articles

Caraway seed, Canadian, 4c. per lb.
Paprika, Chilean, 1½c. per lb.
Spanish, fancy, 4½c. per lb.
good, 7c. per lb.
fair, 11c. per lb.
Pepper, red, chillies, Mombassa, 2c. per lb.
Sierra Leone, ½c. per lb.

Prices Reduced

Drugs

None

Other Articles

Dillseed, dewhiskered, 1c. per lb.
Marjoram, Chilean, 3c. per lb.
Savory, Spanish, 1c. per lb.

Comparative Price Indexes

Botanical Drugs

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
244.5	244.5	244.5	258.9

Flowers

Pyrethrum—Stocks of this material gained to the extent of 1,020 pounds. All of this material is due for allocation to manufacturers by order of the War Production Board. And the outlook is poor for any consumers other than those rated highly essential.

Saffron—Spanish flowers were quiet. Stocks were conservative. Many former suppliers report no stocks available at anything like prices even reasonably free from inflation. Most quarters called the market nominal.

Gums

Aloe—Not much is heard regarding the future prospects for bringing gum from Curacao. Last reports suggested that production is running far under normal because of the curtailed opportunity for export movement.

Arabic—The market was well stocked and demand merely simmered. The problem of present holders is to get gum moving in quantities sufficient to reduce the pressure of supply and even permit prices to rise sufficiently to give holders a satisfactory profit. The market on spot is close to first cost at the moment.

Locust Bean—The price basis for imports is set in countries other than Spain at the present time. Maintenance of minimum export prices in Spain allows other sources of supply to become influential. The entire situation tends to become somewhat fluid at the moment and some believe that Spain will be forced ultimately to revise its notion on values on replacement goods.

Herbs and Leaves

Belladonna — Holding very steady. Substantial reserves are slowly decreasing and a major resumption of cultivation may be necessary. Of course, freeing of the Balkan and nearby States may ultimately bring a resumption of exports earlier than seems likely.

Marjoram — Chilean material was lowered to 28c. to 29c. per pound. Quotations on Portuguese herb were withdrawn when usual sources reported nothing available at the moment. The California and Argentina herb held steady.

Savory—Competition prevailed when Spanish herb was sold and transactions last week were mainly at the lower level of 24c. to 25c. per pound.

Miscellaneous

Areca Nuts—Much of the recent additions to supply will be manufactured into arecoline, the market for which already reflects a change in available supplies.

Grains of Paradise—Further quantities are expected to be added to stocks available on spot but the total was said not to be excessive. When available, the cost is not likely to affect resale values on spot.

Lycopodium—The market is none too firm. Small demand tends to make for price unsettlement and fur-

For Current prices see alphabetical listing beginning on page 9.

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IRISH MOSS
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LAUREL LEAVES
LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
MARJORAM LEAVES
OAK MOSS
ORANGE OIL, Sweet
ORRIS ROOT
PEPPERMINT OIL
PIMENTO, Jamaica
POPPY SEED, Indian
PSYLLIUM SEED AND HUSKS
QUINCE SEED
RHUBARB ROOT
ROSEMARY LEAVES
ROSEMARY OIL
SAGE LEAVES
SARSAPARILLA ROOT
SAVORY
SENNA LEAVES AND PODS
STRAMONIUM LEAVES
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THYME LEAVES AND OIL
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212 N. St. George St., Allentown, Pa.

ther shading of $2.75 per pound would not be surprising here.

Roots

Colombo—Stocks gained to the extent of 288 bags and they came to a market where reserves had been at comparatively low ebb. Consequently, prices failed to weaken when more goods became available.

Goldenseal—Stocks were at low ebb and cannot be easily increased. Resumption of major cultivation would seem to await the time when large export of the material shall be possible.

Ipecac—Reports of the Department of Commerce state that exports from Nicaragua in August, 1944, totaled 11,025 pounds. All ipecac is under complete allocation.

Orris—It is but natural that merchants should look forward to once more receiving shipments of Italian Verona and Florentine root.

Serpentaria—Regardless of price offered collectors, it proved difficult to get much of this root collected last Summer. Hence, the strong and high price that still prevails regardless of no substantial consumer interest at the moment.

Squill—Stocks of red squill gained by 1,297 pounds. The article will be used to produce the fortified powder that bring $2.25 per pound.

Seeds

Caraway — Canadian of excellent quality—it is close to the genuine Dutch article—was available at the higher price of 74c. to 76c. per pound.

Dill—Plentiful stocks of dewhiskered material sought buyers at 12½c. to 13c. per pound with indifferent success. The market was dull.

Sabadilla—Reports from Peru state that a new insecticide powder based on sabadilla seed, chilli pepper, arsenic, and lime is being manufactured under a trade name at Lima. The product is intended for use against cottonplant pests.

Spices

Paprika — Very strong from all points of view. Chilean of good quality was higher at 30c. to 31c. per

—*Continued on page 68*

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Anise was the companion of kings. A toll set on anise by King Edward I in 1305 helped repair London Bridge. While living in Britain, King John of France listed anise in his expense accounts. And by his Wardrobe Accounts, King Edward IV used it to perfume the royal linen in 1480.

Seed sold here today was grown in Cyprus, Bulgaria, Mexico, Syria, and Turkey.

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CRUDE BOTANICAL DRUGS
TRADE *From Forty Nations* MARK

Essential Oils, Other Aromatics

The price feature of the essential oil market last week came when local dealers established a selling price on bergamot oil. Their action came somewhat slowly after the Foreign Economic Administration set its selling price on 90,000 pounds of bergamot oil brought here from Italy. Delay by dealers in establishing a price for transactions with consumers was caused by the uncertainty that prevailed among dealers regarding possible price action by the Office of Price Administration on consumer transactions. When dealers came to the belief that OPA would not set a dollars and cents ceiling, they themselves established a market price for buyers. This was in line with a statement that "OPA is not setting ceilings on dealers' sales." For some undisclosed reason, British dealers, who operate under an officially controlled price, actually can sell cheaper than dealers in the United States. The comment here was that, apparently, the British were better buyers than the Americans when oil was bought in Italy by governmental agencies.

Lemon oil from Italy continued to be unobtainable for civilian products and civilians could get very little oil of any sort. Orange, on the contrary, was plentiful to an extent that kept prices on the weak side. Celery yielded some of its recent price position to competitive elements and Bourbon geranium was slightly lower on the week. U.S.P. revision committee now permits the substitution of anethol and cinnamic aldehyde in pharmacopoeial products in which anise and cinnamon oils are directed ingredients.

Peppermint continued in light supply and the fact that domestic consumers had to pay prices higher than the War Food Administration pays for lend-lease oil set poorly on the consuming trade. Spearmint was scarce. Lemongrass was slightly more plentiful. Stocks of clove oil were slightly larger but no surplus was in hand. Vetiver stocks were 11,145 pounds larger without prices dropping further.

Market Trends

Prices Advanced

None

Prices Reduced

Bergamot, $18.50 per lb.
Celery, 50c. per lb.
Geranium, Bourbon, 50c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
206.2	256.2	261.4	255.0

Essential Oils

Anise—Under permission of the U.S.P. revision committed, anethol may be substituted for natural anise oil in formulas requiring U.S.P. natural oil. The trouble is that there is not too much anethol available.

Bergamot—Late last week, a consumers' price was established for bergamot to be delivered out of the dealers' quotas assigned them from the 90,000 pounds of oil recently brought here from Italy. The total quantity was 50% of the Italian supply. The balance went to Great Britain and Russia. The price established was $6.50 to $7 per pound, compared with the recent nominal price of $25 and the General Maximum Price Regulation ceiling of $30 to $35. Dealers were somewhat slow in setting a price, having in mind possible action by the Office of Price Administration but, finally, they ventured to quote a consumer price when they came to the conclusion that OPA was not going to establish a dollars and cents price ceiling for dealers' sales. The domestic consumers' price was arrived at after the Foreign Economic Administration set $5 per pound, ex warehouse, as its price for sales to dealers. Sales to dealers are through the United States commercial company. In London, the controlled price is 23s. 10½d. per pound, the equivalent of approximately $4.81 per pound, calculated on sterling exchange at $4.03. Hence, the British consumers' selling price is lower than that which United States dealers pay FEA for supplies. And American consumers pay $1.69 per pound more than their British confreres.

Bois de Rose—This article was rather quiet last week. Although stocks were moderate, lack of business tended to keep price activity under repression. Undertones appeared to be firm.

Cedarleaf—Steady to firm most of the time during which inquiry was conservative in the number as well as in the size of quantities required for consumption. Prices were very firm.

Celery—With stocks of seed ample in size and low in cost, producers of this article were in a fairly favorable position and spot offerings were made at the slightly lower position of $19 to $22 per pound.

Citronella—Consumption here accounts for arrivals rather well and tends to prevent an undue accumulation of unsold stocks in this market. Prices showed firmness that was in line with the primary market.

Clove—Stocks gained to the extent of 10,573 pounds which was to be added to the not excessive supply of domestic production. The market was strong in all respects and it will require a marked increase of supplies obtained at lower cost to turn values in favor of buyers.

Coriander—Inability to get either oil or adequate raw material in foreign parts tends to keep this article in a position that is virtually nominal. It was purely a sellers' market in the few quarters where a modicum of stock still remained.

Eucalyptus—Stocks gained to the extent of 5 cases, which was not even a drop in the bucket when compared with the amount of oil this country could absorb with very little difficulty. A strong situation prevailed.

Geranium—The market was fairly active and prices continued to be reasonably favorable for consumer transactions. Prices on Bourbon oil were shaded to $11 to $12 per pound.

Juniper—Although a single case—the first to arrive here in years—recently came to hand, the fact was that consumers determined to get a supply were still forced to accept domestic oil. However, since some Italian oils have reached here, some juniper may eventually appear.

Lavender—Mail is now accepted for despatch to France and in the not far distant future, local dealers with French connections will be able once more to appraise the supply situation as it relates to lavender flower oil. This market is ready to absorb substantial quantities of good to very high quality material.

Lemon—Scarcity abounds. Considering the shortage, it is slightly odd that foreign parts, other than Italy, where the lemon grows in abundance have not developed oil production and export. The Azores once supplied all British needs and there are other countries where the lemon is grown. Civilian requirements are met only in small part and it seems that short supply will continue until such time as Italian oil comes here for civilian distribution.

Lemongrass—The market held firm, notwithstanding the fact that stocks gained to the extent of 72 drums.

Lime—Appearance here of representatives from the West Indies suggests that postwar plans are in the making. Apparently the idea that the war is about over in Europe prevails in the islands. Haiti is considering possible export of both fruit and oil.

Mandarin—Much is said about bergamot and lemon oil from Italy, but nothing is current regarding the possibility of bringing Italian mandarin to restore even a moderate-sized supply of that article.

Orange—To the already plentiful supply of foreign made oil was added last week 497 cases of Brazilian oil.

For Current prices see alphabetical listing beginning on page 9.

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The undertone of the market was rather weak as a reflection of the tendency of some to shade quotations.

Pennyroyal—Not much was to be had on spot. Little was made here this year and imported goods remained out of the market for the most part.

Peppermint—The supply situation was far from normal. Price consideration keep reserves conservative and, in addition to that, direct buying in the primary market has carved something out of the local volume of sales. The ability of foreign buyers to purchase more cheaply than can domestic consumers does not set lightly with the latter.

Aromatic Chemicals

Anethol—This article may be substituted for natural anise oil in formulas calling for U.S.P. natural oil seems to be needed. The U.S.P. revision committee has authorized the use of anethol as a replacement of anise oil in pharmacopoeial preparations, where anise oil is directed as an ingredient.

Cinnamic Aldehyde—The U.S.P. revision committee has authorized the use of this material as a replacement of cinnamon oil in pharmacopoeial preparations where cinnamon oil is directed as an ingredient.

Ethyl Vanillin—Consumption keeps close to production and at the moment there is no surplus of supplies. Prices were very firm.

Eugenol—Supplies may ultimately be increased if a favorable outcome be the result of current plans looking for more adequate supplies of raw material.

Lueders & Co. Honors Miss Rosa Kroog

Miss Rosa Kroog was the guest of honor at a testimonial dinner November 10 in the Hotel Astor, given by the George Lueders & Co., essential oils and aromatic chemicals, New York, on the occasion of her fiftieth anniversary in the employ of the company. During the greater part of this time, Miss Kroog has been the active head of the invoicing department of the company and is still engaged in the same work.

Approximately 100 employees of the company including branch managers from San Francisco, Philadelphia, Chicago and Montreal were in attendance.

Frederick J. Lueders, president of the company, presented Miss Kroog with a diamond pin and also a check in recognition of her long, faithful and efficient service. From the employees of the company Miss Kroog received an alligator handbag and from the factory employees a corde bag. The presentation was made by August Miller, a forty year veteran of the company.

Edward V. Killeen, who was toastmaster, talked at length on the splendid service rendered by Miss Kroog and compared the rather antiquated methods of invoicing fifty years ago with the modern way.

T.G.A. Advances Etsch

Henry Etsch has been named assistant secretary of the Toilet Goods Association. Mr. Etsch has been with the association for ten years.

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Petroleum Derivatives

A further easing of the supply situation in petroleum derivatives available for civilian purposes has taken place within the past week in such chemical products as the petroleum solvents and liquefied gases and even in the light or home-heating fuel oil, despite a slight reduction in nationwide stocks of the latter, as the draining of the current production of xylol and of the light hydrocarbons used in building up the extremely high octane gasoline for fighter planes and superbombers has abated considerably since the war procurement agencies have at length caught up with their enormous war requirements in the constituents of these aviation fuels of unprecedented potency.

Notable exceptions to this general easing of non-military supplies of petroleum products have been recorded, however, in a rather heavy lowering of nation-wide stocks of gasoline, which militates strongly against any possibility of a lifting or modification of rationing requirements on ordinary gasoline, at least until D-E Day, and in the action of the Office of Price Administration in putting light or so-called "stove" naphtha under rationing control in fifteen Midwestern states, on and after November 20.

In conformity with its policy of making upward adjustments in prices of crude oil when it is clearly demonstrated that the maximum prices are out of line with those of comparable crude oil in the same areas, OPA has announced markups in the ceiling prices of crude oil produced by thirty-three pools in Louisiana, Kansas, Oklahoma and Texas, effective November 9. But it has become obvious that any and all renewed efforts to secure incentives for a notable further boost in crude oil output in the form of a general lifting of ceiling prices in all fields by 35 cents per barrel are bound to prove futile.

Solvents and Diluents

Aromatic Solvents—With the War Production Board showing a more liberal attitude in its allotment of xylol for the making of high solvency aromatic naphthas, processors of these solvents are fairly well satisfied with the outlook for obtaining enough of this basic material to meet their needs for an indefinite period. Meanwhile, the demand for both Class A and Class B solvents in this group continues active, with sizable sales being made, despite the recently announced intention of WPB to continue its controls over these products, to assure a sufficient supply of both xylol and toluol to meet the war's requirements in aviation gasoline and explosives.

Cleaners' Naphtha—Moving in undiminished volume into military and civilian consuming channels. Prices firmly maintained.

Lacquer Diluent — Buying interest on the part of the paint industry keeps up at a high level. Market strong throughout.

Mineral Spirit—Being taken up in steadily increasing amounts by normal consumers. Tone firm.

Rubber Solvent—Virtually the entire output of this solvent is being absorbed by the manufacturers of synthetic rubber. No change in price structure.

V. M. and P. Naphtha—Movement into the paint trade continues large, with those engaged in war production work securing the bulk of the offerings.

Markets at Other Centers

Chicago, Nov. 10.—Current call for most of the petroleum solvents and diluents in this area is fully up to expectations. Buying is reaching a fair volume in virtually all these lines, although offerings to the paint and allied industries are rather limited.

Los Angeles, Nov. 10.—The demand for solvents and thinners continues heavy on the Pacific coast, with the market tone holding strong. WPB restrictions, however, are still tending to tie up allocations of aromatic solvents.

Market Trends

Prices Advanced

Crude petroleum, Lisbon field, La., 20c. per bbl.; Joe's Lake and Silsbee fields, Tex., 11c. per bbl.; Abell and Barnhart fields, Tex., 13c. per bbl.; 21 fields in Southern Louisiana, 5c. to 8c. per bbl.; six Pennsylvania and Ohio pools, 25c. per bbl.

Prices Reduced

None

Lighter Fractions

Butane—While the greater part of available stocks and current production of this liquefied gas continues to go into the manufacture of aviation gasoline and synthetic rubber, a steadily increasing allotment is being made for home-heating purposes and for use in private manufacturing processes.

Heptane—In growing demand with prices well maintained.

Hexane—Moving in mounting volume into consuming channels. Tone firm.

Octanes—Buying interest showing steady expansion. Tone strong.

Pentanes—In constantly increasing inquiry with prices firmly held.

Propane—Conditions identical with those described above as existing in butane also prevail in the market for this liquefied gas.

Petrolatums and Waxes

Amorphous Waxes—Under the leadership of the standard process types, these waxes continue to move steadily into consuming channels.

Paraffin—Although most of the high melting-point grades of refined paraffin continue in scanty supply, the easier situation, recently noted in the supply of both crude scale and the lower melting points of refined wax is affording further relief to consumers, hitherto experiencing difficulties in filling their needs.

Petrolatums — U.S.P., veterinarian and technical grades are still moving steadily into consumption, with prices well maintained.

White Mineral Oils— Leading producers continue adamant in their refusal to shade prices and are booking the bulk of the business at their old schedule prices, although some suppliers, who find themselves overstocked in some lines, are occasionally making concessions in order to move their goods.

Fuels and Lubricants

Crude Petroleum—Pursuant to its policy of making local adjustments in price ceilings in locations where the maximum prices on the crude oil obtained from pools so situated are out of line with those for comparable crude oil in the same area, the Office of Price Administration has authorized markups in the ceiling prices of crude oil produced in thirty-three pools in Louisiana, Kansas, Oklahoma and Texas, effective November 9. These ceiling price liftings and provisions for adjusting producers' dry and wet gas ceilings are set forth in detail in amendment 7 to OPA's revised maximum price regulation No. 436.

Fuel Oil—Nationwide stocks of light fuel oil as of November 4 showed a decline of 228,000 barrels to 48,477,000 barrels, as compared with 44,807,000 barrels a year ago, while heavy fuel oil supplies on that date exhibited a drop of 938,000 barrels to 63,444,000 barrels, contrasted with 63,398,000 a year earlier.

Naphtha—In order to put an effectual stop to the illegal use as a motor fuel of light or "stove" naptha, a petroleum product normally used primarily for cooking and lighting, OPA has brought this naptha under rationing control, on and after November 20, in fifteen Midwestern states. The states thus affected are North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Minnesota, Iowa, Missouri, Wisconsin, Illinois, Michigan, Ohio, Indiana, Kentucky and Tennessee.

For Current prices see alphabetical listing beginning on page 9.

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1 U.S. Colloid Mill; 100-200 GPH with 10 H.P. motor.....N. J.
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1 Brunswick Twin Cyl. Ammonia Compressor 4½ ton.....N. J.
1 Baker Twin Cyl. Ammonia Compressor 10½"x10½".....Conn.
1 York Twin Cyl. Ammonia Compressor 10"x10".....Conn.
2 Witteman CO2 Compressors 10"x10". Conn.
1 York 160 ton Duplex Ammonia Compressor; 16"x16".....Ill.
1 York Duplex Ammonia Compressor; 6"x6".....9303
1 Ingersoll Rand Air Compressor; 10"x10".....9076
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2 Swenson (2500 liter) Steel Crystallizers; Jktd. Agitated.....N. Y.

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1 Globe Rotary Digester; 14'x18'..Ohio
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15 Steel Digesters; 6' 9"x19' 6".....N. C.

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1 Aluminum Jacketed Vacuum Evaporator; 40"x58".....9908/H3
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"CONSOLIDATED"

Is Ready to Help You Solve To-Day's Problems

CHANGES IN WAR PRODUCTION
REPLACEMENT OF WORN MACHINES
DISPOSAL OF IDLE MACHINES AND PLANTS
• CREATING JOBS •

CONTRACT terminations and changes are leaving plants idle and machinery useless, even with the war far from ended. Unless you plan now to get rid of it FAST, you'll find competitors busy in your market!

"CONSOLIDATED'S" job is keeping industrial plants out of the red . . . quickly and economically Liquidating equipment at highest market prices—and helping to avoid plant shutdowns.

IT'S a man-size job—and it's taken us over a quarter of a century of experience in Reorganizing, Appraising and Liquidating to KNOW HOW to do it right. We did a mighty big job after the last war. We're all set to repeat NOW—with many years of added experience and prestige.

Without obligation a "CONSOLIDATED" man will be glad to talk over your plans for "X" day, while at the Exposition at the Stevens Hotel in Chicago.

If you are not attending the Exposition, write our New York office.

WANTED— YOUR IDLE MACHINES
There's still a War to be Won. Help production! Send your list NOW.

THE KEY TO SAVING TIME AND MONEY
FOR OVER A QUARTER CENTURY A SYMBOL OF CONFIDENCE
CONSOLIDATED PRODUCTS COMPANY, INC.

WE BUY FROM SINGLE ITEMS TO COMPLETE PLANTS
"Every Machine in Your Plant is a Used Machine"

13-18 PARK ROW, NEW YORK 7, N. Y. — TEL. BArclay 7-0600
Shops: 335 Doremus Ave., Newark, N. J.
Cable Address: Equipment, N. Y.

POSITIONS VACANT

VARNISH MAKER—Very good position open in Newark plant of prominent manufacturer. Must be able-bodied and capable of handling kettles. No formulating experience required. Good post-war prospects. OPD 502.

MANUFACTURING CHEMIST wanted—A rare opportunity is offered to a chemist thoroughly experienced in the manufacture of textile chemical specialties used in the textile dyeing and printing industry. A good knowledge of starches, gums, pigments, resins, softeners, detergents, etc., is required. Excellent salary, plus bonus to man who can qualify. Established progressive company located near New York City. OPD 520.

CHEMIST—Excellent opportunity in expanding plant, one hour from New York. Some experience in resin and plastic coating applications on textiles preferred. Give full details. OPD 528.

POSITIONS VACANT

SALESMAN WANTED to travel well-established territory in Illinois, Michigan, Wisconsin, Minnesota for our well-known Bulls-Eye shellac line. Permanent position for high type man. Previous experience and familiarity with territory preferred. Only written applications will be considered. Salary to start bonus later. Write in confidence stating particulars, age, expectations, etc., to Edward Hicks, care of William Zinsser & Co., 516 West 59th street, New York 19.

SALESMEN INDUSTRIAL lacquers and synthetics, substantial earnings good post war opportunity, metropolitan New York. OPD 529.

POSITIONS WANTED

CHEMIST, executive type. Fine record of achievement in research, service and sales. Very wide experience in finishes, coatings, plastics and general organic. Available metropolitan area only. Desires technical or commercial development, or other work requiring business personality, excellent experience and unusual ability. OPD 525.

PHARMACEUTICAL CHEMIST, M.S. Age 32. Married. Children. Eight years experience. Excellent knowledge of chemistry, formulation and production of all types of pharmaceutical products. Could manage tablet department if called upon. Best references. Release available. OPD 519.

EXPORT EXECUTIVE, young, single, deferred, thoroughly experienced foreign commerce (industrial chemicals and pharmaceuticals) including al phases of selling, purchasing, shipping, export licenses, priorities, government regulations, banking; fluent Spanish, willing and able to travel. OPD 521.

YOUNG AGGRESSIVE chemist possessing resourcefulness, ability to meet people easily, and sales adaptability, is interested in change to technical sales. B.S. 1942; draft deferred; two years of laboratory and plant experience. Experience includes research with phosphorous and printing inks. OPD 523.

POSITIONS WANTED

CHEMICAL ENGINEER, organizer, groomed in great industries; matured in lesser ones. Varied experience. Chemical processes, compounding, fabrication. Lay-out, design, erection, maintenance. Time study, planning, scientific management. Strong academic background. Varnish, color and organic technology. Seek any position with good scope, North Jersey or Manhattan. OPD 524.

TECHNOLOGIST, 20 years experience in rubber and allied fields, some knowledge of plastics. Desires responsible position in laboratory, factory or sales with postwar prospects. North New Jersey or metropolitan area preferred. OPD 518.

Give to War Relief Fund

Paint Div. Charities Drive Dinner Nov. 21

A dinner featuring the annual effort of the paint, chemical, oil, rubber, machinery division on behalf of the 1944 campaign of the Federation of Jewish Philanthropies will be held by members of the industry November 21 at the Hotel Commodore. The drive benefits 116 hospitals, child care and welfare institutions which serve 300,000 men, women and children without regard to race or creed. Albert M. Kahn, of the Consolidated Products Company, is chairman of the division and will preside at the dinner.

Luco Paint Company has filed a certificate of voluntary dissolution with the secretary of New York State.

FOR SALE

3—No. 600 De Laval Clarifiers.
2—4 x 6' Atmosoheric Drum Dryers.
1—150 gal. Pfaudler jack. Reaction Kettle.
2—(New) 24 x 48" Vibrating Screens.
4—Colloid Mills: 1, 5 and 40 hp.
1—Stokes hydraulic Capsule Press.
4—Lead Lined Tanks, 400-1000 gallons.
1—Buflovac 10 gal. jack. Autoclave.
1—No. 150 Kelly Filter.
2—Lard Rolls: 4 x 9' single, 2 x 5' double.
1—40" Tolhurst copper basket Centrifugal.
2—(New) Triangle Filling Lines.
3—Beach-Russ 100 CFM. Vacuum Pumps.
2—40" American stainless steel Centrifugals.
1—50 gal. copper jack. Vacuum Still.

What equipment have you for sale?

LOEB EQUIPMENT SUPPLY CO.

909 N. Marshfield Ave., Chicago 22, Ill.

SPECIALS!

1—VULCAN 6'x42' ROTARY DRYER.
1—W. AND P. 100 GAL. JACKETED MIXER, SIGMA BLADES.
1—No. 5 Sweetland Filter, stainless steel lined, with 15 stainless steel leaves on 4" centers.
1—No. 5 Sweetland Filter, with 20 leaves on 3" centers.
3—De Lavel No. 600 Clarifiers.
1—Manton Gaulin Stainless Steel Homogenizer, 500 gph.
5—Swenson Walker Continuous, Jacketed Crystallizers, 24"x30'.
1—Day 300 gal. Aluminum Lined Jacketed Mixer.
2—6'x5' JACKETED CLOSED PRESSURE KETTLES.
2—JACKETED STILLS, 500 AND 350 GAL. WITH STEEL COLUMNS AND CONDENSERS.
4—JACKETED, AGITATED STEEL KETTLES, 650, 600, GAL.
1—W. & P. 150 GAL. STAINLESS STEEL LINED MIXER.
2—COLTON NO. 2 ROTARY TABLET MACHINES.
2—Colton No. 2-B Single Punch Tablet Machines.
1—W. & P. 20 gal. Mixer.
5—Semi-Automatic Labelers.
1—Patterson 3'x4' Porcelain Lined Pebble Mill, motor-driven.
1—2'6" x 3'6" Jacketed Steel Ball Mill, 92 gal.
1—Patterson 5'x4' Silex Lined Pebble Mill, motor-driven.
5—J. H. Day 80-gal. Lead Mixers, single and twin.
1—Struthers Wells 2200 sq. ft. Triple Effect Evaporator.
1—Houchin 3' Glycerine Single Effect Evaporator.
1—Shriver Diaphragm Pump, 45 gpm, 5 HP motor.
1—Oliver Rotary Filter, 5'x8'.
5—Shriver and Independent 24", 36", 42" Wood Filter Presses.
1—Sperry 18" Cast Iron Filter Press, plate and frame, 9 chambers.
12—Centrifugals, 32", 40", 48" steel, bronze baskets, motor driven, top, bottom discharge.
3—Hersey Rotary Dryers, 5'x30'.
1—Copper Rotary Dryer, 6'x17'.
2—Scott 4'x8' Vacuum Cookers.
1—BUFFALO 24"x20" VACUUM DRUM DRYER.
2—Rotary Dryers or Kilns, 6'x60'.
1—Raymond Mill, No. 0000, ball bearing, with 15 HP motor.
1—Jeffrey Hammer Mill, 24"x18".
3—Roller Mills, 9"x24", 12"x30".
1—Copper Vacuum Pan, 50 gal.
2—1750 gal. Lead Lined Tanks.
10—Condensers, 20 to 300 sq. ft.
5—Jacketed, Closed Steel Receivers, 45, 60, 100 and 200 gal.

Miscellaneous: Complete stocks pumps, tanks, filters, boilers, etc.

Partial List Only. Your Inquiries Solicited. Send us your lists of surplus equipment.

BRILL
Equipment Co.
225 WEST 34th STREET
NEW YORK 1, N. Y.
BRyant 9-2040

2—Batteries (9 and 11) Tolhurst 40" Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.

12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
1—Ball & Jewell No. 1½ Rotary Cutter.
1—Raymond No. 10 Imp Mill, complete.
1—3 Roll High Side Raymond Mill, complete.
3—No. 0000 and No. 0 Raymond Mills.
2—Bonnot 27" dia. Iron Filter Presses.
6—Autoclaves, 200 to 1,500 gals.
12—Vertical, jacketed, agitated Kettles, up to 1,500 gals.
2—75 & 1,500 gal. lead lined closed Kettles.
1—Pfaudler 60 gal. Jack. Agit. Glass Lined Kettle.
2—Depp 50 & 80 gal. Jack. Agit. Kettles.
1—250 gal. Copper Jack. Vac. Still and Receivor.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. Steel Copper Lined Vac. Filter Tank.
1—600 gal. Steel Copper Lined Agit. Tank.
6—20, 35, 75 & 250 gal. Closed, Agitated, Jacketed Copper Kettles.
20—50 gal. Vert. Agitated Steel Tanks with Nettco Drives.
4—Single Punch Preform Tablet Machine, ½" & ¾".
1—Ball & Jewell Rotary Cutter.
3—Homogenizers, 7½ & 10 HP.
25—Hydr. Presses, Pumps and Accumulators.
1—Dunning & Boschert 2000 lb. Double Arm Steel Powder Mixer.
2—Blystone 2,000 lb. Jacketed, Horiz., Paddle Type Steel Mixers.
1—25 gal. Ross Double Arm Heavy Duty Tilting Mixer.
6—Horizontal Mixers, 25 to 150 gals., Single & Double Arm.
1—Faust 150 gal. Jack. Spiral Mixer.
1—Coombs Gyratory Sifter, 1/3 HP.
1—Robinson 20" M.D. Attrition Mill.
1—Howe Barrel & Bag Packer.
2—4,000 gal. Vert. Acid Proof Tanks.
2—Devine 8"x6" Horiz. Vac. Pumps.
1—Nash No. 3 Vacuum Pump.
1—No. 3 Oliver 14"x8" Duplex Vacuum Pump.
1—Penn. Vac. Pump, 14"x5".
2—Worthington 12"x12"x12" Vac. Pumps.
2—DeLaval Separators, Lab. size & No. 302.
2—DeLaval Multiple Clarifiers, Nos. 300 & 600, motor driven.
2—Ross 8 & 15 gal. Pony Mixers.
1—Ross 2 Roll Granite Stone Mill, 8"x12".
2—3 Roll water cooled 16"x40" Steel Roller Mills.
2—Ross 3 Roll Water Cooled 12"x30" & 16"x40" Steel Roller Mills.
3—Double Stand Steel 4 Roller Mills, 7"x18", 7½"x20" & 7½"x30" Rolls.
10—Pebble & Jar Mills, Lab. to 50 gal.
3—Tolhurst 24", 28" & 40" Centrifugals.
8—Stone Mills, 8" to 32".
8—Lead & Paste Mixers, 50 to 135 gals.
5—Varnish Kettles, 100 to 200 gals.
10—Steel & Wood Tanks, up to 4,000 gal.
2—Schutz-O'Neil 16" & 20" Pulverizers.
2—Double Roll Crushers.
2—Williams No. 2XX & No. 3 "Regular" type Hammer Mills.
10—Electric Agitators, ¼ to 2 HP.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, 1 to 10 HP.

Only Partial Listings
Write for Complete Bulletins
We Buy Your Surplus Machinery

STEIN EQUIPMENT COMPANY
Department E
426 BROOME ST., NEW YORK 13, N. Y.
CANAL 6-2147

SPECIALS

Valley Rotary Filter—Monel Leaves 97 sq. ft.
24" Shriver Wd. P. & F. Filter Press.
42" Sperry Wd. P. & F. Filter Press.
Colton 3B Single Punch Tablet Machine, motor drive.
Abbe 54" x 42" Silex Lined Pebble Mill.
Buffalo 24" x 20" Vac. Drum Dryer.
Buffalo 48" x 40" Vac. Drum Dryer.
Truck or Tray Dryer, 7' W. x 6' D. x 6' H.
Bartlett-Snow Dryers, 10' Dia. Jack.
Wolf Dryer, 6 flights, 8" dia. x 12' long.
Vert. Jack. Mixing Kettles, Steel, 500 to 2,500 gals.
Vert. & Horiz. Steel Tanks, 500 to 22,000 gals.
Smith Jack. & Ag. Autoclave, 500 gal.—500-lb. internal pressure.
W. & P. 500 gal. Closed Jacketed Kettle.
Duplex Steam Pumps, 6 x 4 x 6 to 9 x 6 x 10.
Triplex Pumps, 4 x 4.
Vert. Steel Lead Lined Tank, 400 gal.

Many other desirable items in stock. Send us your inquiries and lists of surplus.

MACHINERY & EQUIPMENT CORPORATION (of N.Y.)
533 West Broadway New York 12, N. Y.

KETTLES

2—1650 gal. 6 ft. dia. x 8 ft. deep Steel Jacketed Turbine Agitator, Speed Reducer, 10 H.P. Motors.
1—2460 gal. 7'3" dia. x 7'3" deep, Iron Body, Steel Jacket Turbine Agitator, Speed Reducer, 15 H.P. Motor.
1—2400 gal. 7'10" dia. x 6'8" deep, Iron Body, Heating Coils, Two Blade Agitator, Speed Reducer, 15 H.P. Motor.
2—2460 gal. 6'6" dia. x 10' deep, Iron Body, Steel Jacket, Propeller Agitators, Speed Reducer, 15 H.P. Motors.

ABOVE LOCATED AT
H.C. BUGBIRD CO., CARLSTADT, N. J.

EMSCO EQUIPMENT COMPANY
EMIL A. SCHROTH, Owner
41 HYATT AVE., NEWARK 5, N.J.
Phone: Mitchell 2-3536

FOR SALE

3—12 in. x 30 in. Roller Mills
2—16 in. x 40 in. three steel roller mills
PONY MIXERS from 2½ gallons to 40 gallons
5—Change Can Mixers
1—210 gallon Buhr Stone lined Pebble Mill.
2—Practically new 750 gallon Porcelain lined Pebble Mills.
3—32 in. x 36 in. PEBBLE MILLS.
10—1000 gallon steel square storage tanks
10—2000 gallon steel square storage tanks
5—9 in. x 24 in. motor driven roller mills

Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY
50 CHURCH ST., NEW YORK 7, N.Y.

SPECIALS!

DISTILLING COLUMNS:

48" DIA. C.I. RECTIFYING COLUMNS. Containing 24 bubble cap type plates, 6 caps per plate. Complete with coolers.
78" DIA. C.I. RECTIFYING COLUMNS. 30 bubble cap type plates with 12 caps per plate. Complete with coolers.
45" DIA. CHROME-IRON COLUMN containing 26 Bubble Cap Type Plates—**like little service.** Drawings available.
3'4" to 10'0" STEEL COLUMN containing 10—3'4" dia. and 9—10'0" dia. Bubble Cap Type Plates. Drawings available.
48" DIA. EVERDUR COLUMN—Bubble Cap Type Plates. An exceptional value.
TANKS. COPPER, STEEL, BRASS, ALUMINUM, STAINLESS—Large stock.
AMMONIA COOLERS.
BUCKET ELEVATOR, 105'0" high. Buckets 6" x 11", with Drive, Pulley, and Belt.
HAMMER MILL: Williams, Cap. 1,000 to 1,200 lbs. corn per hour.
PUMPS—CENTRIFUGAL AND STEAM, all sizes. Bronze or Iron.
4—TANK SAND FILTER SYSTEM, each 3'0" dia. x 5'0" high, with fittings and "I" Beams.
TUBING & PIPE—Stainless, Brass, Aluminum, Copper.
YEAST CULTURE MACHINE—All Copper.
ACE OIL BURNER—excellent condition.
LAWRENCE TRIPLE EFFECT EVAPORATOR. Complete in one body.
9—COIL-TYPE VACUUM PANS: (Complete with Condensers, Catch-alls, etc.)
2—ANDERSON NO. 3 MOISTURE EXPELLERS.

CONDENSERS

Bronze Tube Sheets, Copper Tubes, Copper or Steel Shells Ranging in Size from 100 to 1,000 Sq. Ft. of Surface
2—WORTHINGTON CONDENSERS—1,150 sq. ft. surface each—complete with Simplex Pumps.

FITTINGS AND VALVES:

All Sizes, Types—Reconditioned

Write for Complete List

ORELAND EQUIPMENT CO.
P.O. BOX "E", ORELAND, PENNA.

DEPENDABLE HARCO PRODUCTS

Manufacturing and Packaging
Automatic **TUBE FILLING**

OINTMENTS • SHAVING CREAM • TOOTH PASTE • SKIN CREAMS

HARCO CHEMICAL CORPORATION
2330 - 5th AVE., NEW YORK 35, N.Y. Tel. EDgecombe 4-1210

FOR SALE

STAINLESS STEEL TANKS—new—100 and 200 gal., dished bottoms.
STEAM JACKETED KETTLE, 9' dia., 5' deep, complete with agitator—new.
COPPER TANK with agitator and coil, 66" dia. x 7'.
INVINCIBLE POWER Vertical Barrel Filling & Packing Machine.
COPPER EVAPORATOR with Stokes Condenser.
COPPER COATING PAN, 66" dia., 40" deep.
TANK, 8' dia. x 30', made of ½" plate, dished ends.

STEDMAN FOUNDRY MACHINE CO. No. 4-6 HEAVY DUTY PULVERIZER with Heavy Brass Shaft, 4 Ball Bearing Hangers, Double Flywheel Drive, Mounted on heavy cast iron bed.
KNY-SHEERER STERILIZER, 7½" long, 30" wide, 42" high, mounted on truck with Steam Boiler.
STERILIZERS or PRESSURE COOKERS—new—18" x 18" on steel legs, with gasoline burner, clampdown cover, safety valve and gauge—$75.00 each.
AMMONIA COMPRESSORS, 2 to 75-ton capacity.

H. LOEB & SON
4603 LANCASTER AVENUE, PHILADELPHIA 31, PA.

Botanical Drugs

—*Continued from page 62*

pound. Spanish prices erupted and the fancy quality went to 48½c. to 49c.; good, 45c. to 46c.; and fair, 41c. to 43c. Portuguese pepper strained toward higher position, but the further rise remained in the making.

Pepper—Black and white whole pepper were placed under import control. Louisiana long chillies were reported unavailable. Mombassa was higher at 24½c. to 25c., and Sierra Leona was nominal at 22½c.

Markets at Other Centers

Los Angeles, Nov. 8.—The botanical drugs and spice market continued tight this week, with only light trade reported. Prices are unchanged.

Recent Imports

All matter under this head fully protected by copyright

ACID, CRESYLIC—1,484 dms
AMMONIA, PERSULPHATE—200 kgs
ASBESTOS—3,000 bgs, 300,000 lbs, United States Commercial Co
BARBASCO, POWD—42 cs, United States Commercial Co
ROOT—70 bls, United States Commercial Co
BARYTES—4,357 tons
BLOOD, DRIED—3,360 bgs, 336,000 lbs, Tupman, Thurlow & Co
BRISTLES—39 cs
CAFFEINE, ANHYDROUS—50 bbls, Lo Curto & Funk
CALCIUM BORATE—16 cs, Corning Glass Works
CARDAMOM—5 cs, 650 lbs, W E Martin
2 cs, 260 lbs, Knickerbocker Mills Co
5 cs, 650 lbs, L & H Millen
5 cs, 650 lbs, C T Wilson & Co
CASEIN—1,626 bgs, 179,190 lbs, Packing Products Co
4,215 bgs, 464,565 lbs, American Cyanamid & Chemical Corp
727 bgs, 81,614 lbs, Paul & Stein Bros
780 bgs, 85,979 lbs, C W Burckhalter, Inc
CASHEW KERNELS — 100 cs, 5,000 lbs, Mitchel Beck Co
900 cs, 45,000 lbs, L Demartini Co
500 cs, 28,000 lbs, Zaloom Co
CASTOR BEANS—35,352 bgs, 3,802,800 lbs, Baker Castor Oil Co
12,000 bgs, 1,813,500 lbs, Spencer Kellogg & Sons
5,322 bgs, 798,300 lbs, Wilbur Ellis & Co
CELERY SEED—250 bgs, 32,500 lbs, R F Downing & Co
110 bgs, 14,300 lbs, E Meer & Co
170 bgs, 22,100 lbs, J Bieler Import Co
150 bgs, 19,500 lbs, Kachurin Drug Co
340 bgs, 44,200 lbs, Simon Beer Co
7 bgs, 910 lbs, Otto Gerdau Co
CHALK, PRECIP—160 bgs, Eli Lilly & Co
1,200 bgs, H J Baker & Bro
COCOA BEANS — 2,000 bgs, 400,000 lbs, Daarnhouwer & Co
3,000 bgs, 600,000 lbs, Cocoa Trading Co
900 bgs, 180,000 lbs, Ernest Adler Co
2,000 bgs, 400,000 lbs, Scarburgh & Co
1,500 bgs, 300,000 lbs, J Aron & Co
900 bgs, 180,000 lbs, Middleton & Co
2,000 bgs, 400,000 lbs, Johnson & Higgins
3,000 bgs, 600,000 lbs, Wessel, Kulenkampf & Co
900 bgs, 180,000 lbs, Wood & Selick
3,000 bgs, 600,000 lbs, Hershey Chocolate Co
2,000 bgs, 400,000 lbs, W R Grace & Co
2,000 bgs, 400,000 lbs, C M Loeb, Rhoades Co
5,000 bgs, 1,000,000 lbs, Nieschlag & Co
900 bgs, 180,000 lbs, General Foods, Inc
COCOA BEANS—4,000 bgs, 800,000 lbs, Rockwood & Co
4,000 bgs, 800,000 lbs, A C Israel Commodity Co
500 bgs, 100,000 lbs, Little & Christman
RESIDUE—2,269,943 lbs
COCOABUTTER—400 bls, 18,900 lbs, M Golodets & Co
800 bls, 108,000 lbs, General Cocoa Co
COLOMBO ROOT—140 bgs, S B Penick & Co
148 bgs, R J Prentiss & Co
COPRA—3,406,371 lbs
COTTONSEED MEAL—11,023 bgs, 1,102,300 lbs, Ashcraft-Wilkinson Corp
17,469 bgs, 1,746,900 lbs, United States Commercial Co
11,023 bgs, 1,102,300 lbs, Wessel, Duval & Co
DILLSEED—7 bgs, 910 lbs, W Goetzel
7 bgs, 910 lbs, W Loewy
4 bgs, 520 lbs, Becker-Mayer Co
5 bgs, 650 lbs, East India Trading Co
2 bgs, 260 lbs, Joel Broier Export & Import Co
7 bgs, 910 lbs, Wagner Bros Feed Co
2 bgs, 260 lbs, J Golodetz
FLEASEED, HUSK—3 bgs, Peek & Velsor
6 bgs, T M Duche & Sons
9 bgs, R J Prentiss & Co
GUM, COPAL—99 bgs, Gillespie-Rogers-Pyatt Co
100 bgs, Thurston & Braidich
19 bgs, Guaranty Trust Co
114 bgs, O G Innes Corp
100 bgs, S Winterbourne & Co
100 bgs, G W S Patterson & Co
15 bgs, Bank of Montreal
INDUSTRIAL—60 cks, J P Martin Co
KARAYA—33 bgs, Jacques Wolf & Co
335 bgs, Innis, Speiden & Co
3 bgs, Thurston & Braidich
LOCUST BEAN—100 bgs, Stein, Hall & Co
OLIBANUM—250 bgs, Max Pels
GYPSUM—200 bgs, C B Chrystal & Co
3,584 tons, United States Gypsum Co
HONEY—29 bbls, Porcella, Vicini & Co
HORNMEAL—2,506 bgs, 250,600 lbs, Wessel, Duval & Co
IRON OXIDE—120 bgs, J Lee Smith & Co
250 bgs, Reichard Coulston, Inc
10 cks
MAGNESIA CARBONATE — 200 bgs, Schofield, Donald Co
MANGANESE PASTE—50 cs
MANIOC FLOUR—1,200 bgs, United States Commercial Co
MANGROVE BARK—669 seroons, Curacao Trading Co
309,120 lbs
MENTHOL—5 cs, S Rubinrant
5 cs, Brown & Williamson Tobacco Co
5 cs, J Berlage Co
69 cs, McKesson & Robbins
25 cs, C L Huisking & Co
41 cs, Vick Chemical Co
5 cs, Hudson Shipping Co
10 cs, Lamborth Pharmacal Co
MICA—121 cs, United States Commercial Co
NUTMEGS—162 bgs, Catz American Co
52 bgs, Fritzsche Bros
33 bgs, Ben Hur Co
383 bgs, A G Dunn
OIL, CLOVE—10,573 lbs
COD—240 dms, Volkart Bros
100 dms, White & Hodges
100 cks, Bowring & Co
CROTON—1 cs, Magnus, Mabee & Reynard
1 cs, Fritzsche Bros
DOGFISH LIVER—1 can, C A Andres
ESSENTIAL—18 cs, Citrus & Allied Essential Oil Co
2 cs, Korsten Shipping Agency
EUCALYPTUS—5 cs, Fritzsche Bros
GERANIUM—1 dm, Rohner, Gehrig & Co
GUAIAC—14 bgs, Geck Trading Co
LEMONGRASS—1 dm, Irving Trust Co
1 dm, J W Lyon & Co
1 dm, E I duPont de Nemours & Co
1 dm, Trubek Laboratory
1 dm, Givaudan-Delawanna
1 dm, W J Bush & Co
2 bbls, J T Walsh
72 dms, Volkart Bros
OITICICA—8 dms, Brazil Oiticica Co
6 dms, L N Jackson & Co
ORANGE—36 cs, Simons & French
30 cs, P R Dreyer
200 cs, T M Duche & Sons
110 cs, W J Bush & Co
60 cs, Fritzsche Bros
PEPPERMINT—2 cs, McKesson & Robbins
SANDALWOOD—1 cs, Givaudan-Delawanna
SASSAFRAS—1 dm, Orbis Product Corp
60 dms, Norton & Ellis
TUCUM—530 bbls, E F Drew & Co
VETIVER—11,145 lbs
OX GALLS, CONC—8 tcs, Armour & Co
PAPAIN—2 half cs, Kachurin Drug Co
1 cs, McKesson & Robbins
5 cs, American Ferment Co
2 half cs, R J Prentiss & Co
PHOSPHATE ROCK—4,748,800 lbs
PYRETHRUM FLOWERS—880 bls, United States Commercial Co
PETROLEUM, CRUDE—26,974,400 lbs
RESIN, VEGETABLE—35 cs, T A Desmond & Co
RHUBARB—6 bgs, Max Van Pels
5 bgs, Peek & Velsor
5 bgs, Wessel, Duval & Co
55 bgs, Kachurin Drug Co
4,480 lbs
ROSIN—4 bbls, Schutte & Focke
SQUILL, RED — 1,297 bgs, United States Commercial Co
TARTAR—1,161 bgs, United States Commercial Co
TAPIOCA FLOUR—6,032 bgs, 904,800 lbs, United States Commercial Co
13,560 bgs, 2,034,000 lbs, Corn Product Refining Co
TUCUM KERNELS—92 bgs, E F Drew & Co
38 bgs, Durkee Famous Foods
VALERIAN ROOT—5 bgs, Kachurin Drug Co
5,959 lbs
WATTLE BARK—14,612 bls, Barkey Importing Co
EXTRACT—3,000 bgs, Barkey Importing Co
WAX, BEES—7 bgs, Schutte & Focke
4 bgs, Analy Corp
3 bgs, Geck Trading Co
3 bgs, Irving Trust Co
4 bgs, Curacao Trading Co
5 bgs, Royal Bank of Canada
5 bgs, Machado & Co
WHITING—300 bgs

MUSTARD FLOUR
ALL GRADES
USP
USP BROWN
Special for Mayonnaise
Old Dutch Mustard Co., Inc.
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